

AD-A 150 376

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
ADAK ALASKA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC AUG 84

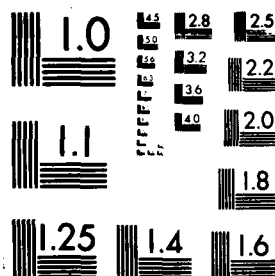
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A blank sheet of white graph paper featuring a uniform grid of thin black horizontal and vertical lines. The grid covers most of the page, leaving margins at the top, bottom, and sides. In the upper-left corner, there is a small, dark, irregular mark or smudge.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

AD-A150 376		II	PHOTOGRAPH THIS SHEET		1																										
		LEVEL			INVENTORY																										
	DTIC ACCESSION	<p style="font-size: 1.5em; margin: 0;">SMOS, Adak, Ak.</p> <p style="margin: 0;">DOCUMENT IDENTIFICATION</p> <p style="font-size: 1.5em; margin: 0;">Aug 1984</p>																													
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="margin: 0;">DISTRIBUTION STATEMENT A</p> <p style="margin: 0;">Approved for public release; Distribution Unlimited</p> </div> <p style="margin: 0;">DISTRIBUTION STATEMENT</p>																															
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AD-A150 376

SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #25704 Adak, AK
PERIOD: HOURLY 1/73-12/82
DAILY 1/50-12/82

JOB NO. 72006 DATE August 1984

PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL NS 39529



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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Adak, Alaska		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE August 1984
		13. NUMBER OF PAGES 358
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO OR SUMMARY 25704	STATION NAME Adak, Alaska	LATITUDE 51°5.'N	LONGITUDE 176°39'W	STATION ELEV (FT) 17	CALL SIGN PADK	WMO NUMBER 70454
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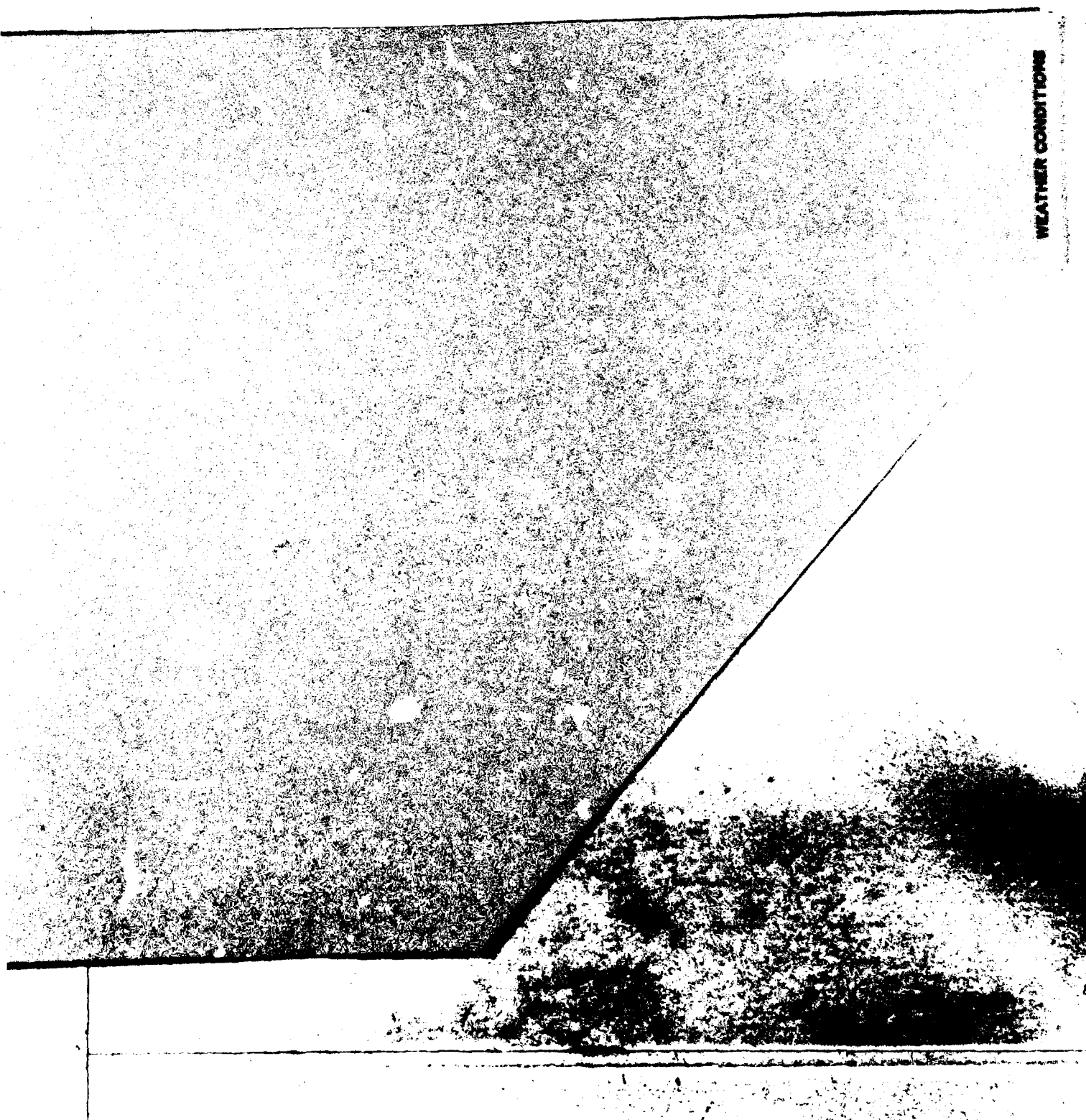
STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF RECORD LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	In Weather Office located on main deck Birchwood hangar	NS		1959	51°53'N	176°39'W	14	mercurial	24
2.	In Weather Office located first deck of new operations building	NS	1959		"	"	16	"	24
1a.	In Weather Office, main deck Birchwood hangar	NS	1952	1959	"	"	18	aneroid	24
2a.	In Weather Office located first deck of new operations building	NS	1959	1961	"	"		"	24
3a.	AN/GMQ-14A cabinet, NOCD Office Ops Building	NS	1961	1968	"	"	18	"	24
4a.	Inboard bulkhead, NOCD Office Ops Building	NS	1968		"	"	18	"	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.		1000'NNW of hangar & 25'E of air control tower	Selsyn		25'	1. Barograph (ML-3A) 2. Semi-Auto Met station(AN/GMQ-14B) 3. Ceiling light (ML-121) 4. Cloud height set (AN/GMQ-13B) 5. Theodolite (ML-247) 6. Transmissometer (AN/GMQ-10C) 7. Rawinsonde set (AN/GMD-13) 8. APT (AN/GRK-7)
2.		On 30' mast atop Birchwood hangar	AN/UMQ-5A		75'	
3.	1957	Conversion of equipment	AN/UMQ-5C	RD-108	75'	
4.	1959	Transmitter on roof of new Ops Bldg	"	RD-108B		
5.	1960	same				
6.	1962	Located 500' on a bearing of 115° true from the intersection of runways 23-05 & 36-18			15'	

NOCD, Federal Building
Ashville, NC

WEATHER CONDITIONS



NOCD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

lowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

1990 年 12 月 15 日

MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	53.1	1.2	7.1	.4	10.1	.3	2.1	26.1	.4	17.3	.1	42.7	100
FEB	52.1	.7	48.1	.1	51.7	.1	14.5	17.1	.4	10.7	.1	37.1	100
MAR	51.1	.1	15.1	.1	71.7	.1	15.1	71.4	.1	12.1	.1	71.1	100
APR	50.1	.1	17.1	.2	64.6	.1	23.1	22.2	1.1	4.7	.1	37.4	100
MAY	49.1	.2	6.1	.1	10.7	.1	2.4	42.1	1.1	.7	.1	47.4	100
JUN	48.1	.1	17.1	.1	1.1	.1	7.4	61.7	1.1	.1	.1	62.1	100
JUL	47.1	.1	10.1	.1	.1	.1	17.1	71.4	1.1	.1	.1	79.1	100
AUG	46.1	.1	5.1	.1	.1	.1	1.5	.1	1.1	.1	.1	1.1	100
SEP	45.1	.1	2.1	.1	2.1	.2	60.3	7.1	.7	.1	.1	10.1	100
OCT	44.1	.4	.1	.1	21.7	.6	15.1	.1	.7	.1	.1	37.1	100
NOV	43.1	.1	7.1	.1	52.2	.3	5.7	71.1	1.1	8.1	.1	42.1	100
DEC	42.1	1.2	7.1	.1	15.1	.4	14.1	24.1	.7	17.1	.2	71.1	100
TOTALS		.4	74.2	.2	41.1	.2	12.1	42.3	1.1	1.1	.2	4.1	1,050

NAVWEASERVCOM

WEATHER CONDITIONS

STATION 4 ADAM, 44 73-92 345

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01		19.7		12.7		32.4	12.9	.3	4.9		17.1	340
	04	.3	20.7	.3	20.4		37.9	11.3		3.9		17.2	349
	07		20.1		25.2		40.3	12.9		3.6		15.7	309
	10		20.1		28.5		43.7	11.7	.3	3.2		15.2	309
	13		19.7		23.9		39.6	11.3		3.9		14.2	310
	16		19.7		26.5		42.3	11.0		5.2		15.5	311
	19		20.1		25.5		40.6	11.0		4.2		15.2	311
	22		19.7		22.9		39.7	11.6		3.9		15.5	310
TOTALS		.6	20.0	.6	24.5		40.4	11.6	.1	4.1		15.2	2476

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WEATHER CONDITIONS

STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
12	31		15.2		12.3		43.6	4.8		5.7		11.6	247
	34	.4	17.7		15.2		49.6	10.3		5.3		11.6	247
	37	.7	15.0		11.6		43.6	9.9		7.0		15.6	247
	10		15.0		10.8		42.0	11.0		7.1		11.1	247
	17		16.5		13.7		45.1	1.2		6.7		16.1	247
	1		15.0		11.2		43.6	12.1		6.7		17.7	247
	17		15.1		13.7		49.6	14.5		5.7		20.1	247
	20		16.7		15.1		47.6	11.7		6.0		11.7	247
TOTALS		.2	16.4		12.3		44.8	11.1		6.2		17.1	225

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WEATHER CONDITIONS

STATION 4 STATION NAME 75-42 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
12	21		21.7	.3	34.5		51.3	11.5		4.3		14.5	717
	24		20.8		21.3		46.5	12.6		3.9		14.2	717
	17		15.7		22.0		43.5	13.5		2.7		11.1	717
	10		19.4		20.3		43.9	10.6		3.2		13.6	717
	17		18.7		22.6		42.6	6.7		2.3		11.7	717
	11		17.1		27.1		39.8	9.7		1.3		10.3	717
	17		21.7		21.4		47.7	11.3		4.2		15.5	717
	22		22.4		22.3		49.7	9.7		3.9		13.5	717
TOTALS			22.1	.3	21.0		45.4	10.6		3.3		13.6	2437

NAVWEASERVCOM

WEATHER CONDITIONS

STATION 4 4-4-4-4 73-81 YEARS MONTH MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	11		23.7		24.7		43.3	14.3		2.3		16.6	300
	12		25.3		24.7		46.3	12.3		1.7		14.8	300
	13		19.3		29.3		43.7	15.3		0.3		17.7	300
	14		23.7		25.3		44.3	14.3		0.3		14.3	300
	15		22.7		20.3		43.7	16.3		1.2		17.3	300
	16		25.3		22.7		42.7	16.3		1.2		17.3	300
	17		23.7		24.7		44.3	17.7		1.5		18.7	300
	22		25.3		24.3		45.7	17.3		.7		17.7	300
TOTALS			23.5		24.2		43.9	15.3		1.5		16.8	2400

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WEATHER CONDITIONS

STATION 4024, AK STATION NAME 73-52 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		43.5		10.0		42.0	21.0				21.5	310
	24		41.3		9.0		47.4	23.5			.3	23.5	310
	27		37.7		10.0		43.2	26.1			.3	26.1	310
	10		33.5		7.4		39.4	21.0			.3	21.5	310
	13		35.8		7.4		39.7	19.7				19.7	310
	16		30.0		7.1		34.2	20.0	.7			20.3	310
	19		31.5		4.2		33.2	19.7				19.7	310
	22		35.5		7.1		41.3	23.9				23.9	310
TOTALS			36.1		7.2		40.4	21.7	.0		.1	22.0	2483

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WEATHER CONDITIONS

STATION ALBANY, ALA STATION NAME 71-02 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
	01		42.3		.1		42.3	35.7	.3			35.7	300
	04		43.3				43.3	32.7				32.7	300
	07		40.0		.7		40.0	70.7				36.7	300
	10		33.7				33.7	32.0				32.0	300
	13		29.0				29.0	23.0	.3			23.3	300
	16		29.7				29.7	21.0				21.0	300
	19		23.0				23.0	26.0				26.0	300
	22		36.0				36.0	34.3				34.3	300
TOTALS			35.2		.1		35.2	30.9	.1			31.0	2400

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WEATHER CONDITIONS

STATION ADAN, AV STATION NAME 73-92 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01		42.9				42.9	46.1				46.1	310
	04		44.5				44.5	45.5				45.5	310
	07		42.9				42.9	51.3				51.3	310
	10		37.7				37.7	43.5				43.5	310
	13		29.7				29.7	30.3				30.3	310
	16		27.7				27.7	29.7				29.7	310
	19		31.0				31.0	37.7				37.7	310
	22		35.5				35.5	42.1				42.1	310
TOTALS			36.5				36.5	41.5				41.5	2480

NAVWEASERVCOM

WEATHER CONDITIONS

STATION 4044, AK STATION NAME 73-82 YEARS MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
11	01		42.7				42.7	50.6	.3			50.6	310
	04		44.0				44.0	51.3				51.3	310
	07		42.6				42.6	53.2				53.2	310
	10		39.4				39.4	43.9	.3			43.9	310
	13		33.5				33.5	37.4	.3			37.4	310
	16		35.5				35.5	41.3	.3			41.6	310
	19		39.1				39.1	46.7	.6			46.7	310
	22		41.0				41.0	51.6	.3			51.6	310
TOTALS			39.4				39.4	47.3	.3			47.3	2460

NAVWEASERVCOM

WEATHER CONDITIONS

STATION 474 AX STATION NAME 77-62 YEARS 58 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
12	01		30.3				30.3	24.7	.7			25.3	300
	04		31.3				31.3	27.7	.3			24.8	300
	07		30.0		.3		30.3	31.3				31.0	300
	10		30.7		.3		30.7	24.7	.3			25.3	300
	13		22.7				22.7	27.3				23.3	300
	16		27.3				27.3	22.0	.7			22.7	300
	19		26.3				26.3	22.3	1.0			23.3	300
	22		29.7				29.7	24.7	.7			25.3	300
TOTALS			29.8		.1		29.8	24.6	.5			25.0	2400

NAVWEASERVCOM

WEATHER CONDITIONS

STATION 1074 ADA, A STATION NAME 73-51 YEARS 001 NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
01	01		30.0		5.5		34.2	17.4				17.4	310
	04		7.0		0.6		31.5	15.5				15.5	310
	07		31.0		2.9		32.3	15.4				15.4	310
	10		26.4		5.2		31.6	15.7	.3			22.0	310
	13	.3	30.5		3.2		32.5	15.5	.6			17.1	310
	16		29.7		2.7		32.3	15.4	1.2			20.3	310
	19		20.4		2.5		31.6	15.4	.3			15.7	310
	22		27.7		4.2		31.3	15.5				15.5	310
TOTALS		.0	29.7		3.6		32.1	17.2	.3			18.1	2430

NAYWEASERVCOM

WEATHER CONDITIONS

STATION

STATION NAME

STATION NAME

YEARS

YEARS

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01		23.7		13.7		32.7	13.7	.3			17.7	700
	04		24.7		12.7		34.7	11.7		1.0		17.7	700
	07	.3	27.3		14.3		38.3	12.3		1.0		13.3	700
	10		26.3		14.7		35.7	16.7		1.3		19.3	700
	13		28.3		14.3		37.7	17.3	.7	.7		18.3	700
	16		28.7		14.7		40.0	17.3		1.7		13.2	700
	19		25.3		14.7		36.7	14.3		.7		16.0	700
	22		23.3		11.3		32.3	11.3	.3	1.0		10.7	700
TOTALS		.3	25.3		13.0		35.9	15.9	.1	.7		14.2	2400

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WEATHER CONDITIONS

STATION 4 ARA, AV STATION NAME 73-82 YEARS 550 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
01	01		25.2		25.2		45.2	11.2		2.9		14.5	717
	04		24.2		24.3		44.8	12.9		1.9		15.6	717
	07		25.2		29.4		49.7	13.9		3.9		17.7	717
	10		19.4		23.5		39.7	12.6		2.3		14.3	717
	13		21.0		28.2		42.1	15.2		2.3		17.5	719
	16	.3	21.4		24.3		42.7	16.5		2.3		18.8	709
	19		23.7		21.4		40.9	14.9		1.9		16.5	709
	22		23.0		25.2		44.2	12.3		2.3		14.2	709
TOTALS		.3	22.1		25.3		43.6	13.9		2.5		16.3	2476

NAVWEASERVCOM

WEATHER CONDITIONS

STATION 4 ADAM, A- STATION NAME 73-00 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	20.0	.0	24.5		40.4	11.8	.1	4.1		15.0	2476
FEB		.1	16.4		22.9		44.9	11.1		6.0		17.1	2256
MAR			22.1	.0	21.0		45.4	10.6		3.3		13.6	2490
APR			23.6		24.2		43.8	15.3		1.5		16.8	2400
MAY			36.1		7.9		40.0	21.0	.0		.1	22.0	2480
JUN			25.0		.1		35.7	20.9	.1			31.0	2400
JUL			36.5				36.5	41.5				41.5	2480
AUG			29.6				32.0	47.3	.2			47.3	2480
SEP			29.8		.1		29.8	24.0	.5			24.0	2400
OCT		.0	29.7		3.6		22.1	17.8	.3			18.1	2400
NOV		.0	25.2		13.6		35.9	13.9	.1	.0		14.9	2400
DEC		.0	22.0		25.3		43.6	13.9		2.5		16.3	2476
TOTALS		.0	28.0	.0	13.6		39.1	21.7	.1	1.5	.0	23.3	20250

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

25774	POCAHON, AK	JANUARY 1973-DECEMBER 1982					JANUARY													
STATION	STATION NAME					YEARS					MONTH					HOURS U.S.T.				
WIND DIRECTION	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER							
N	1.5	2.0	1.5		.5	20.0		3.5		.5	0.0		50.5							
NNE	10.4	4.2	3.8	.3	.3	29.9		12.8			7.6		40.0							
NNE	10.1	4.6	5.8		1.2	26.0		19.1			9.8		43.4							
NNE	23.7	3.7	12.1		.5	25.3		22.1			8.9		38.9							
E	21.3	6.4	8.5		.5	35.1		12.2			5.3		37.2							
ESE	24.6	10.5	3.5			21.1		12.3			3.5		47.4							
ESE	32.1	6.5	10.9			26.1		15.2					47.8							
ESE	36.1	2.7	17.6		1.4	18.9		25.7					44.6							
S	24.8	3.9	14.4			18.3		21.6			.7		49.7							
SSW	9.7	11.5	9.7			20.4		12.4					54.0							
SW	7.8	5.8	9.7			16.2		14.3			1.3		64.9							
WSW	3.4	1.1	3.4		.6	18.9	.6	5.1		.6	.6		73.1							
W	1.1	4.8	3.2		1.1	28.7		4.8			2.7		63.8							
WNW	2.1	1.6	1.6		1.6	23.4		4.7			4.7		67.2							
W	1.7					28.2		1.8			3.6		58.2							
WNW	1.1	2.2				33.3					1.1		66.7							
VAR	3.4	2.2	1.9			10.8		6.0		.4			81.4							
TOTAL	304	102	149	1	11	601	1	292	1	2	101		1396							
TOTAL	12.3	4.1	6.0	.3	.4	24.3	.0	11.8	.0	.1	4.1		56.4							
TOTAL NUMBER OF OBSERVATIONS													2,476							

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JANUARY 1973-DECEMBER 1973

SECRET

[illegible]

TOTAL NUMBER OF OBSERVATIONS

2,255

• **As a result**

		REFRIG. WIND FREEZING TEMP.	WIND SPEED OF CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIR SMALL HAIR	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	WEATHER
11.0	1.0	7.1		3.1						4.6		44.1
12.0	4.7	6.6		36.8			4.1			5.5		44.1
13.0	1.6	1.8		2.1			7.0			7.9		44.1
14.0	3.9	1.0	1.7	45.4			7.7			1.4		44.1
15.0	2.5	5.9		3.8			14.4			2.5		44.1
16.0	6.6	4.8		6.1			27.5					44.1
17.0	7.4			8.9			1.7					44.1
18.0	6.5	4.3	1.1	73.2			2.7					41.1
19.0	5.0	2.9	2.5	6.5			21.0			1.1		43.1
20.0	7.8	4.9		16.7			1.0			0.0		57.6
21.0	3.7	2.3		14.0			17.7					65.0
22.0	3.0	7.6		14.3			2.0			1.2		64.0
23.0	3.1	4.9	.4	79.1			1.0			7.6		64.0
24.0	1.9	1.2	.8	44.0			7.1			1.9		45.1
25.0			2.3	37.0			0.0			1.3		58.0
26.0	1.0	3.1	.6	45.0			7.0			3.8		46.1
27.0	5.8			13.7			7.0					74.7
28.0	1.0	11.4	1	12	76.4		28.4			8.0		10.1
29.0	3.6	4.6	.8	.5	30.1		1.0			7.3		7.1

TOTAL NUMBER OF OBSERVATIONS 2,421

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 4014, AM JANUARY 1973-DECEMBER 1982 APRIL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.7	2.6	6.1		25.7			17.0			1.3		61.7
NNE	2.5	5.3	5.6		28.6			11.1					55.6
NNE	14.1	1.4	1.4		35.2			9.9					53.5
ENE	17.3	1.1	5.3		34.0			14.9					47.9
E	11.7		14.6		32.9			24.4			1.2		35.4
ESE	0.3	2.0	10.0		22.0			20.0			2.0		54.7
SE	42.7	9.3	25.3		12.0			37.3			1.3		52.0
SSE	17.1	5.6	14.6	3.4	15.7			21.3					37.1
S	26.2	11.1	10.5	.6	9.4			28.7					45.0
SSW	21.1	8.6	14.8	.8	10.9			23.4			1.6		45.3
WSW	9.8	5.2	6.8	1.2	10.8			16.3			.4		66.1
W	10.2	6.4	7.9	.4	15.1			19.2					55.1
WNW	7.8	6.1	6.1	.8	24.9			10.2			2.9		55.5
NW	.6	4.4	1.3		41.9			3.1			9.1		48.8
NNW	4.3	5.2	1.7	1.7	54.3			10.3			5.2		40.5
WNW	6.5	4.3	2.2	.7	40.6			11.6			.7		48.6
WINDY	3.7	.9	6.5		12.8			2.7					76.1
WINDY	112	124	179		14	571		368			36		1267
WINDY	13.0	5.2	7.5		.6	23.8		15.3			1.5		52.8

TOTAL NUMBER OF OBSERVATIONS 2,400

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

574

20 Apr, AM

JANUARY 1973-DECEMBER 1982

MAY

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UNIT 9

W O R L D

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TOTAL NUMBER OF OBSERVATIONS

2,487

$$N_A \approx 6.02 \times 10^{23} \text{ mol}^{-1}$$

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1974 ALA, AK JANUARY 1973-DECEMBER 1982 JUNE
YEARS MONTH HOURS OBS.

WIND DIRECTION	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.3	4.7	17.4		.4			33.3					51.9
NNE	12.1	3.5	12.2					33.7		.6			49.4
NNE	16.4	4.2	17.6					33.1					47.2
ENE	12.1	4.6	13.7					32.1					51.9
E	20.5	8.9	15.2					27.7		.9			50.9
ESE	23.1		7.7					33.3					56.4
SE	28.6	4.8	15.9		1.6			30.2					50.8
SSE	27.6	3.1	10.6					20.5					59.5
S	23.3	5.9	13.7					25.6					55.7
SSW	15.1	4.1	23.3					36.4					46.6
WSW	8.9	11.2	25.5					33.6					45.2
W	6.5	5.6	21.9					34.9					51.2
WNW	8.4	5.7	15.6					27.5					62.6
W	7.7	15.4	15.4					26.9					50.0
WNW	11.1	11.1	16.7					22.2					50.0
WSW	12.2	6.1	22.4					30.6					49.0
VARIES	9.5	3.4	13.8					30.7					62.9
ALL	39.2	139	414		2			74.2		2			1266
TOTAL	15.9	5.8	17.3		.1			30.9		.1			52.8

TOTAL NUMBER OF OBSERVATIONS 2,400

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

0514 1000 1000 JANUARY 1973-DECEMBER 1982 JULY

			FREZZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
	13.7		20.9					54.3					26.0
	14.7		17.9					47.4					43.6
	14.3	2.4	19.8					47.6					46.2
	14.1	3.5	14.6					78.2					62.1
	19.3	4.3	12.1					35.7					63.6
	13.4	3.0	17.9					31.3					63.7
	21.7	1.4	13.0					24.6					56.5
	19.4	4.6	14.8					20.4					56.5
	23.9	6.0	23.4					33.2					47.8
	11.3	2.8	27.4					37.7					49.1
	9.1	5.5	24.2					45.2					43.4
	2.1	5.4	32.7					47.3					41.2
	10.0	3.5	28.0					39.5					49.6
	10.3		24.1					51.7					44.6
	17.4		17.2					48.3					51.7
	1.3		15.3					48.3					45.0
VARIABLE													
CALM	5.5	1.4	21.6					40.3					51.1
TOTAL	221	13	501					1030					1166
	18.9	3.3	23.4					41.5					47.0

TOTAL NUMBER OF OBSERVATIONS

2,400

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

0014 10.00 AM

JANUARY 1973-DECEMBER 1982

AUGUST

MONTH

HOURS 15.17

WIND DIRECTION	WIND SPEED	RAIN HOURS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.2	2.2	70.1						58.1		.7			34.6
NNE	11.2	.9	16.5						51.4		.9			44.3
NNE	14.0	1.0	26.7						56.4					36.6
NNE	12.4	1.1	21.1						34.8					50.6
NNE	11.1	3.0	26.0						39.0					44.0
NNE	14.1	6.8	26.5						47.7					31.9
NNE	26.0	3.6	26.5						37.3					43.4
NNE	27.3	3.8	34.1						47.7					34.8
NNE	25.1	3.0	30.5						44.0					39.5
NNE	10.3	1.7	19.4						26.6					57.1
NNE	12.5	2.2	29.8						50.0		1.1			44.1
NNE	12.1	2.7	30.7						51.7					39.0
NNE	9.7	3.3	25.9						49.5		.7			42.0
NNE	17.4	4.3	20.3						41.3					43.5
NNE	19.2		30.8						34.6					50.0
NNE	22.0		37.3						59.3					30.5
NNE	4.5		12.5						30.0		.6			54.5
NNE	391	59	664						1171	1	7			1054
NNE	13.3	2.4	26.8						47.2	.0	.3			42.5

TOTAL NUMBER OF OBSERVATIONS

2,480

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

2. Δ₂, Δ₃

JANUARY 1973-DECEMBER 1982 SEPTEMBER

49 A' 75 NAME

YEARS

MONTH

HC 95 1 5 9

DATE	TIME	WIND DIRECTION	WIND SPEED	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
1951	17.1	5.4	10.0				.4			18.1					71.8
1951	18.2	3.6	19.7							27.7					64.7
1951	19.2		21.2							34.3		6.1			54.5
1951	13.0	6.5	10.9							22.8		4.3			67.9
1951	14.1		4.0							22.0					74.7
1951	17.1		17.1							24.4					68.3
1951	27.3	6.8	18.2							22.5					52.3
1951	23.1	5.1	14.1							33.3					56.4
1951	20.9	5.0	19.0							27.4					43.8
1951	15.7	8.3	18.5							30.6					54.6
1951	8.1	6.8	15.8							26.6		.5			59.0
1951	8.7	6.4	16.4							24.1					58.5
1951	9.5	11.6	10.5							21.4					60.5
1951	12.0	16.7	16.7							25.0					48.6
1951	13.1	9.5	14.3			1.2				14.3					63.1
1951	9.3	8.7	8.7							13.7					72.0
1951	4.4	4.7	3.9							12.7					70.7
1951	3.7	16.5	32.6			1	1			58.9		11			147.0
1951	13.0	6.5	13.6			.0	.0			24.5		.5			61.6

TOTAL NUMBER OF OBSERVATIONS 2,400

TOTAL NUMBER OF OBSERVATIONS 2,450

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

25714

ADAK, AK

JANUARY 1973-DECEMBER 1982

NOVEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.3	9.9	7.5			20.5			13.0			5.0		55.3
NNE	14.3	6.8	5.6			15.5			11.8			.6		62.1
NE	26.3	7.0	14.0			10.5			14.0					52.6
ENE	29.1	2.9	15.9		2.9	11.6			31.9					40.6
E	26.7	13.3	8.3		3.3	15.0			15.0					43.3
ESE	24.5	13.6	22.7			18.2			50.0					18.2
SE	45.7	8.6	22.9			2.9			45.7					34.3
SSE	60.5	3.0	14.3		1.0	8.6			32.4					35.2
S	36.0	9.5	12.3			5.6			31.8					42.5
SSW	15.2	9.7	8.3			4.1			18.6			.7		62.5
SW	15.2	6.3	7.5		.8	4.1			16.9		.8			65.0
WSW	5.5	7.7	1.9		.3	11.9		.3	7.4		.3	.3		73.0
W	3.7	8.0	4.0			11.1			7.4			.7		64.2
WNW		10.7	.7		1.4	24.3			1.4			.7		68.6
NW	2.7	11.8	.9		.9	30.0			2.7			2.7		55.5
NNW	9.3	6.8	5.1			16.9			6.8			4.2		65.3
VARIABLE														
CALM	1.0		3.1			4.3			4.3					52.7
TOTAL	345	184	158		11	316		1	334		3	22		1466
% TOTAL	14.3	7.7	6.6		.5	13.2		.0	13.9		.1	.9		61.1

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

2574 ADA, AM JANUARY 1973-DECEMBER 1982 DECEMBER
STATION NAME YEAR MONTH HOURS LISTED

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.0	2.6	4.0		1.7	32.5			11.9			.7		51.0
NNE	12.7	1.9	9.5			32.7			21.8					45.9
NE	15.4	5.1	18.4			26.5			23.5			6.1		39.8
ENE	36.7	8.8	21.9			15.0			30.6			1.4		36.7
E	17.5	10.4	5.2		.6	26.6			13.0			.6		47.4
ESE	34.4	14.1	12.5		3.1	23.4			21.9					31.3
SE	27.5	20.0	2.5		5.7	20.0			30.0			5.0		37.5
SSE	31.3	8.4	13.3		1.2	20.5			24.1			2.4		37.7
S	30.3	11.1	11.7		1.8	15.2			26.9					35.7
SSW	14.6	6.2	6.9		.8	14.6			12.3					66.9
SW	12.7	6.1	4.6			15.7			15.3			.5		64.8
WSW	7.7	3.3	2.5			20.0			7.5			3.3		66.7
W	6.1	4.1	1.6			40.0			4.5			6.5		50.7
WNW	1.4	2.1	1.4			36.9		.7	1.4			9.9		56.7
WA	5.2	3.9	2.6			35.1			5.2			3.9		58.4
NNW	3.7	4.4	3.5			38.1			6.2			4.4		52.2
VARIABLE CALM	2.4		.5			12.1			4.4					84.5
TOTAL	35.7	134	162		12	618		1	344			61		1326
% TOTAL	14.5	5.4	6.5		.5	25.0		.3	13.9			2.5		53.6

TOTAL NUMBER OF OBSERVATIONS 2,476

NAVWEASERVCOM

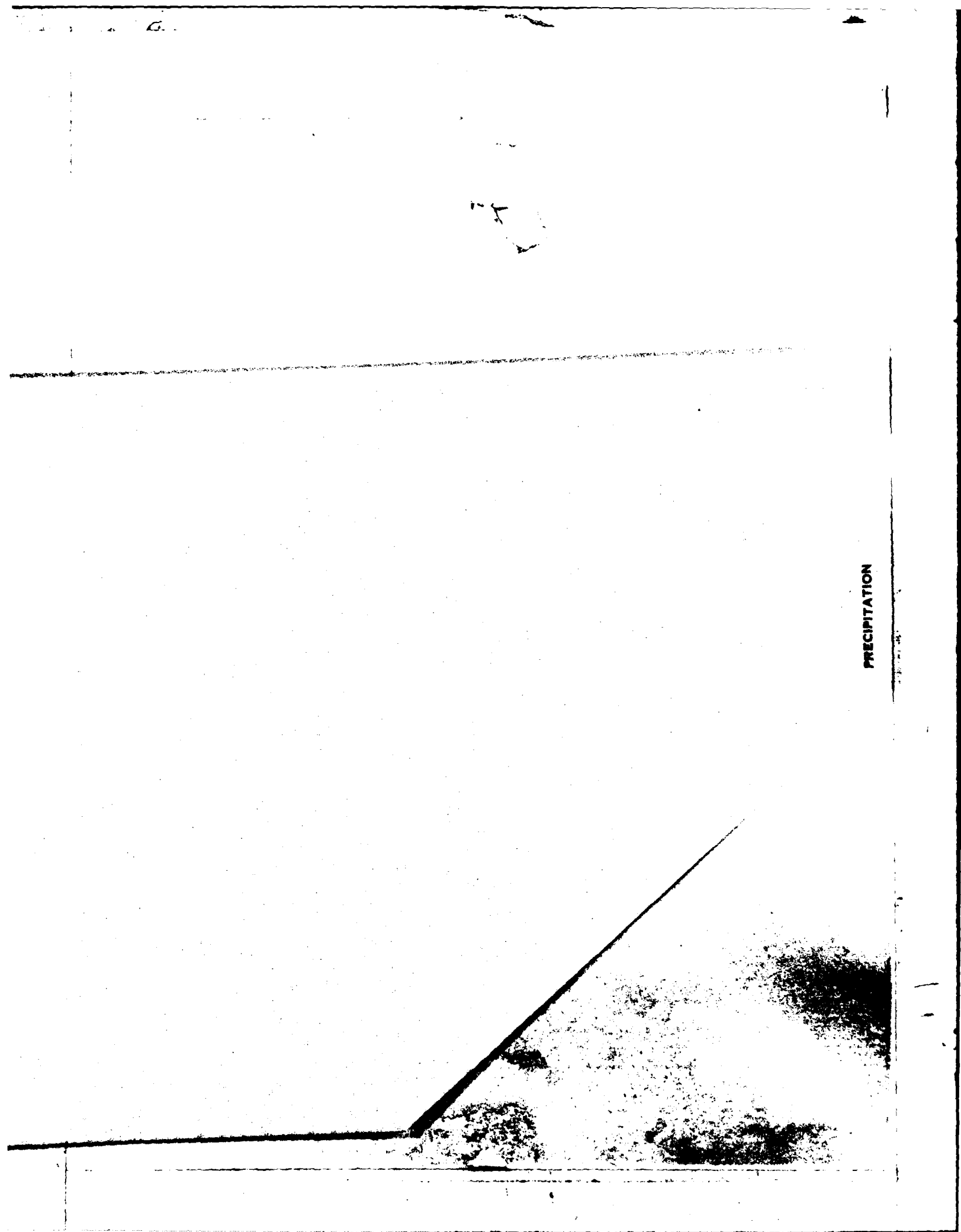
PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 3144, AK JANUARY 1973-DECEMBER 1982 ALL MONTH HOURS OBSERVED

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	17.3	4.6	10.9		.2	17.2		.1	21.6		.1	2.0		53.3
NNE	17.3	3.7	4.5	.0	.1	18.8			21.9		.1	2.3		51.7
NE	18.9	3.6	12.7		.2	15.7			26.3		.5	4.2		46.6
ENE	23.6	4.9	12.6		.4	15.2			24.4		.3	2.9		44.9
E	21.0	5.8	9.5		.7	19.1			21.7		.1	2.3		47.0
ESE	25.1	6.7	13.0		.3	13.8			26.2			1.2		46.7
SE	20.0	6.8	17.1		.3	9.4			30.5			.5		43.9
SSE	21.2	5.3	16.2		.7	9.1		.2	28.9			.3		44.2
S	22.5	6.6	15.9		.6	7.7			30.0		.0	.4		44.5
SSW	17.6	6.7	13.5		.2	7.5			24.2		.1	.3		55.9
SW	10.5	6.8	13.9		.3	6.1		.0	25.0		.4	.4		57.5
WSW	8.9	5.3	14.7		.1	8.2		.1	25.1		.1	.6		57.0
W	7.0	7.7	10.3		.2	14.7			17.9		.1	1.7		57.2
WW	5.3	7.5	5.5	.1	.7	24.3		.1	10.6			3.8		56.4
WNW	6.6	7.9	4.4		1.1	26.8			10.4			2.0		55.5
NNW	3.9	5.9	7.6		.2	21.8			15.2			2.0		55.3
VAR ABLE														
CALM	4.4	1.6	6.5			6.2			11.5	.2				76.5
TOTAL	41.75	164.7	335.1	.2	.90	386.8		.7	636.9	.3	.34	43.8		1579.1
% TOTAL	14.5	5.6	11.5	.0	.3	13.2		.0	21.8	.0	.1	1.5		54.1

TOTAL NUMBER OF OBSERVATIONS 29,208

PRECIPITATION



W. H. ... Building
A ...

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

- 1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
- 2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	1	6	15.3	13.0	17.0	13.0	7.4	2.8	.4				27.5	100	3.11	4.4	.71
FEB	.	17.7	5.0	17.3	12.1	19.0	12.1	6.7	2.7					27.	104	4.35	7.07	1.7
MAR	.1	10.	6.7	15.6	13.4	19.6	13.3	6.7	2.6	.1				21.	123	5.51	8.01	1.23
APR	.	6.0	6.0	10.0	17.0	17.0	6.0	7.0	1.0	.1				22.7	990	4.00	1.17	1.
MAY	.	12.	7.3	11.7	15.4	14.7	6.1	7.7	1.0	.6				21.	123	4.10	6.10	.74
JUN	11.	31.1	7.4	15.1	6.1	11.1	6.7	6.1	1.7	.1				23.4	90	1.10	2.24	.7
JUL	1.	70.7	7.7	10.4	7.1	11.9	6.7	7.0	1.1					1.7	123	7.8	8.1	.7
AUG	.1	7.7	6.7	10.7	6.6	12.3	5.2	1.7	2.7					1.7	100	4.10	.7	.7
SEP	10.7	1.4	6.7	16.4	11.6	15.6	6.2	7.1	3.	.4				50.	61	1.11	1.70	1.7
OCT	.7	1.7	6.5	16.8	14.3	20.6	12.3	6.5	3.7	.7				21.7	123	5.11	7.01	.7
NOV	1.	.7	5.0	14.8	12.0	22.4	14.6	10.5	5.0	.4				27.7	980	1.71	1.70	.74
DEC	.7	10.1	4.3	15.9	13.9	21.9	12.7	8.5	4.5	.7				21.6	1023	2.37	3.7	1.7
ANNUAL	1.	21.7	6.7	16.8	12.1	17.2	10.7	6.4	2.6	.2				27.1	1124	4.3.	1	

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS INCHES		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-101	102-504	505-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	1	1	1	1	1	1	1	.	.	.	.	.	4	1	1	1	1
FEB	.	1	1	1	1	1	1	1	.	.	.	.	.	5	1	1	1	1
MAR	.	1	1	1	1	1	1	1	.	.	.	.	.	11	1	1	1	1
APR	.	1	1	1	1	1	1	1	.	.	.	.	.	11	1	1	1	1
MAY	.	1	1	1	1	1	1	1	.	.	.	.	.	1	1	1	1	1
JUN	.	1	1	1	1	1	1	1	.	.	.	.	.	1	1	1	1	1
JUL	.	1	1	1	1	1	1	1	.	.	.	.	.	1	1	1	1	1
AUG	.	1	1	1	1	1	1	1	.	.	.	.	.	1	1	1	1	1
SEP	.	1	1	1	1	1	1	1	.	.	.	.	.	1	1	1	1	1
OCT	.	1	1	1	1	1	1	1	.	.	.	.	.	1	1	1	1	1
NOV	.	1	1	1	1	1	1	1	.	.	.	.	.	1	1	1	1	1
DEC	.	1	1	1	1	1	1	1	.	.	.	.	.	1	1	1	1	1
ANNUAL	.	1	1	1	1	1	1	1	.	.	.	.	.	24	11174	1	1	1

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION STATION NAME YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	.02-.05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	.	11.0	0.5	0.7	1.0	0.7	0.0						10.1	911			
FEB	.	.	11.0	0.5	0.4	1.0	0.6	0.7	.					11.1	76			
MAR	.	.	0.7	0.6	0.7	0.4	1.0	1.0	0.7					13.4	123			
APR	.	.	0.7	1.7	.	0.7								0.0	00			
MAY	.	.													100			
JUN	.	.													0			
JUL	.	.													100			
AUG	.	.													0			
SEP	.	.													0			
OCT	.	.	.	0.1											100			
NOV	.	.	0.7	0.4	0.8	0.6	3.4	.						11.7	90			
DEC	.	.	11.1	10.0	0.3	0.7	10.4	0.7	0.0					40.0	0			
ANNUAL	.	.	11.4	4.0	0.4	2.0	3.7	0.7	.					17.0	11721			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
FROM DAILY OBSERVATIONS

2074

ASHEVILLE, NC

1951

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51	.60	.48	.51	.90	.7	.74	.41	2.33	3.57	1.20		3.31	
1	1.10	1.10	1.14	1.54	.25	.37	1.85	.77	1.77	1.40	1.00	2.20	1.15
2	.50	1.22	1.70	.46	1.57	1.95	1.26	.50	1.71	2.13	3.85	.81	1.60
3	3.57	1.52	2.40	1.45	1.24	1.39	.30	2.30	2.67	2.50	2.0	.60	1.60
4	2.17	1.1	3.20	1.00	4.35	1.36	1.01	.75	3.47	1.62	2.4	1.45	4.10
5	2.44	1.55	.93	1.54	1.24	1.00	1.31	.31	.99	3.36	2.24	4.5	4.10
6	.97	1.60	1.50	1.44	1.27	1.90	.60	2.44	2.82	.70	1.73	2.05	1.60
7	1.31	.90	1.04	3.19	2.06	2.52	.22	.40	1.41	1.30	.54	1.20	1.60
8	1.04	.40	1.67	.38	1.14	.50	1.02	.41	1.37	1.94	2.45	2.77	1.40
9	.54	2.25	1.46	1.10	1.12	1.81	.86	1.19	1.92	1.20	.44	.74	2.25
10	1.00	.70	1.03	.20	.61	.83	1.92	.54	.44	.68	.34	1.74	1.60
11	1.10	.51	.43	.68	.36	1.44	1.00	.41	.60	1.15	1.30	.75	1.40
12	2.80	1.13	2.05	.43	.40	.67	.42	.76	.78	1.71	.74	2.24	1.60
13	1.73	.84	1.58	.49	.83	1.24	.30	.32	.97	.74	1.07	4.00	4.10
14	.44	.50	.73	1.06	.39	1.41	.39	.73	2.20	1.13	1.46	1.74	1.60
15	.91	.80	.61	4.76	.80	.55	1.02	.50	.77	1.65	1.06	1.00	4.76
16	.51	1.42	1.00	.76	1.72	.51	.80	1.77	1.47	.55	2.64	.34	1.60
17	1.07	.67	1.34	.68	.25	.44	1.30	2.20	1.47	1.30	2.06	2.07	1.60
18	1.61	1.06	.50	1.00	.40	.86	.50	.45	1.07	1.55	.51	2.44	1.60
19	1.20	.74	.40	1.10	1.33	.44	.26	1.00	1.91	.50	.90	1.01	1.1
20	.84	.57	.65	1.00	.64	.93	.57	.72	.65	.75	1.03	1.41	1.41
21	.90	.13	1.74	1.21	.65	1.23	.65	.11	2.75	2.65	1.54	2.5	2.75
22	.20	.71	.54	.55	.72	.60	.39	1.10	1.34	2.05	1.94	1.37	2.05
23	.50	1.10	1.01	.31	.20	.51	.55	1.14	1.30	1.47	1.00	1.65	2.05
24	.80	.16	.54	.61	1.23	.30	1.40	1.70	1.77	.75	1.92	.70	1.60
25	.30	.80	1.36	1.57	.65	.34	1.02	1.46	.92	1.14	1.91	1.27	1.60
26			.20	.42	.66	.80	.65	.70	1.55	1.22	.87	1.77	1.60
27	1.14	.40	.54	.57	1.81	.11	.45	.88	.54	1.44	.50	1.77	1.60
28	.50	.95	.57	.02	.67	.10	.30	.72	1.37	.92	2.10	1.00	1.60
29	.97	.93	.71	.63	1.30	.62	.50	1.70	1.01	1.55	.70	.70	1.60
MEAN													
S D													
TOTAL OBS													

SMOS

EXTREME VALUES

STATION

1. 2. 3. 4.

5-52

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
25774	25774, AK	50-55

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

ENTIRE YEAR

FROM DAILY OBSERVATIONS

STATION

ASHEVILLE, NC

5-12

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1960	2.2	3.7	1.5	2.8	1.5	.0	.0	.0	.0	.4		1.4	5.2
1961	5.7	2.3	1.8	1.6	.0	.0	.0	.0	.0	.0		2.1	17.3
1962	1.0	5.2	17.3	2.8	.0	.0	.0	.0	.0	.1	4.8	2.7	2.7
1963	7.3	6.1	0.5	2.2	1.8	.0	.0	.0	.0	.0	1.3	4.7	2.7
1964	4.5	2.2	2.8	.0	.0	.0	.0	.0	.0	.4	6.4	5.7	6.7
1965	4.5	4.5	4.3	5.0	4.5	.0	.0	.0	.0	1.5	1.1	2.3	5.0
1966	1.5	3.4	6.3	7.7	.0	.0	.0	.0	.0	2.7	3.0	7.3	7.7
1967	1.1	7.3	3.4	15.4	.0	.0	.0	.0	.0	.0	2.1	6.2	15.4
1968	10.2	7.1	1.7	4.6	.4	.0	.0	.0	.0	1.0	1.7	5.5	20.4
1969	3.3	1.8	3.3	1.4	.7	.0	.0	.0	.0	1.0	2.6	5.2	7.3
1970	2.3	7.1	7.1	2.4	1.8	.0	.0	.0	.0	1.3	7.9	3.7	7.1
1971	4.1	7.6	3.2	.7	.7	.0	.0	.0	.0	.1	7.7	6.7	6.2
1972	4.4	3.4	7.3	1.8	1.7	.0	.0	.0	1.4	1.4	4.8	5.7	5.6
1973	1.0	2.7	5.1	2.7	1.1	.0	.0	.0	.0	1.9	1.7	7.6	3.1
1974	3.7	5.3	4.3	4.4	1.7	.0	.0	.0	.0	3.0	5.8	2.7	5.7
1975	2.2	5.3	3.1	2.4	1.4	.0	.0	.0	.0	.0	5.8	2.7	6.3
1976	2.7	4.3	3.2	2.2	1.3	.0	.0	.0	.0	1.0	.1	5.5	5.6
1977	7.6	9.2	3.3	2.0	.3	.0	.0	.0	.0	.5	7.1	2.4	6.3
1978	2.7	2.3	4.7	2.5	1.1	.0	.0	.0	.0	7.7	4.3	4.4	4.4
1979	3.4	6.5	4.0	6.4	3.3	.0	.0	.0	.0	.2	4.6	10.1	17.1
1980	5.1	5.6	3.4	3.7	.0	.0	.0	.0	.0	.1	.6	7.5	5.1
1981	2.3	1.7	3.7	2.9	1.2	.0	.0	.0	.0	.0	1.0	2.7	7.7
1982	4.1	.7	2.0	.6	.2	.0	.0	.0	.0	.7	1.7	5.4	5.4
1983	3.3	5.5	7.4	1.7	.7	.0	.0	.0	.0	2.0	.0	3.7	5.5
1984	4.4	5.1	7.7	3.6	.7	.0	.0	.0	.0	1.7	2.2	7.7	7.1
1985	4.4	3.1	2.6	1.1	2.3	.0	.0	.0	.0	.7	2.2	4.7	5.5
1986	4.1	5.7	4.4	2.3	.4	.0	.0	.0	.0	.3	4.0	7.3	4.7
1987	2.5	7.2	5.4	2.4	.3	.0	.0	.0	.0	2.3	2.1	7.2	5.7
1988	4.4	6.0	1.0	1.7	1.2	.0	.0	.0	.0	1.6	3.6	5.7	7.9
1989	2.3	7.4	4.7	2.3	.6	.0	.0	.0	.0	.0	5.3	3.7	2.3
MEAN													
S. D.													
TOTAL OBS													

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

[illegible]

SMOS

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

50-33

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO. DEPTH
(FROM DAILY OBSERVATIONS)

25714

ASHE, NC

50-52

STATION

STATION NAME

YEARS

DAILY SNO. DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50		4	2	0	0	0	0	0	0	0	0	0	
51	5	2	0	0	0	0	0	0	0	0	0	0	
52		8	7	1	0	0	0	0	0	0	0	0	
53	14	5	6	1	0	0	0	0	0	0	0	0	
54	0	0	0	0	0	0	0	0	0	0	11	7	
55	10	0	4	1	0	0	0	0	0	0	0	0	
56	4	7	6	2	0	0	0	0	0	0	0	0	
57	1	3	7	0	0	0	0	0	0	0	0	0	
58	10	7	4	1	0	0	0	0	0	0	0	0	
59	2	5	7	1	0	0	0	0	0	0	5	0	
60	4	5	5	0	0	0	0	0	0	0	0	0	
61	10	1	3	0	0	0	0	0	0	0	4	0	
62	7	7	1	0	0	0	0	0	0	0	0	0	
63	7	7	0	0	0	0	0	0	0	0	1	0	
64	7	6	3	0	0	0	0	0	0	1	6	7	
65	6	6	4	1	0	0	0	0	0	0	0	0	
66	7	7	1	0	0	0	0	0	0	0	0	0	
67	0	6	0	0	0	0	0	0	0	0	0	0	
68	7	4	4	0	0	0	0	0	0	0	0	0	
69	4	5	0	0	0	0	0	0	0	0	0	0	
70	10	14	4	1	0	0	0	0	0	0	0	0	
71	0	4	4	0	0	0	0	0	0	0	1	0	
72	7	1	4	0	0	0	0	0	0	0	0	0	
73	1	4	1	2	0	0	0	0	0	0	0	10	
74	1	11	2	1	0	0	0	0	0	0	1	10	
75	13	0	6	4	0	0	0	0	0	0	3	4	
76	0	8	10	5	0	0	0	0	0	1	3	11	
77	7	17	17	4	0	0	0	0	0	0	0	0	
78	5	10	10	0	0	0	0	0	0	0	0	0	
79	10	4	3	1	0	0	0	0	0	0	7	9	
MEAN													
S D													
TOTAL OBS													

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
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DATE: NOV. 5, 1974 IN: 110-45

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

25754 A74, AK 5-32
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES
(BASED ON LESS THAN FULL MONTHS)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													SNOW DEPTH DAYS
2	10												SNOW DEPTH DAYS
3													SNOW DEPTH DAYS
4													SNOW DEPTH DAYS
5													SNOW DEPTH DAYS
6													SNOW DEPTH DAYS
7													SNOW DEPTH DAYS
8													SNOW DEPTH DAYS
9													SNOW DEPTH DAYS
10													SNOW DEPTH DAYS
11													SNOW DEPTH DAYS
12													SNOW DEPTH DAYS
13													SNOW DEPTH DAYS
14													SNOW DEPTH DAYS
15													SNOW DEPTH DAYS
16													SNOW DEPTH DAYS
17													SNOW DEPTH DAYS
18													SNOW DEPTH DAYS
19													SNOW DEPTH DAYS
20													SNOW DEPTH DAYS
21													SNOW DEPTH DAYS
22													SNOW DEPTH DAYS
23													SNOW DEPTH DAYS
24													SNOW DEPTH DAYS
25													SNOW DEPTH DAYS
26													SNOW DEPTH DAYS
27													SNOW DEPTH DAYS
28													SNOW DEPTH DAYS
29													SNOW DEPTH DAYS
30													SNOW DEPTH DAYS
31													SNOW DEPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION STATION NAME YEARS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	1954	1.0	25.4	1953
2	0.1	2.5	1957	4.0	101.6	1973
3	0.1	2.5	1958	2.7	68.6	1958
4	1.14	29	1976	4.0	101.6	1955
5	0.1	2.5	1955	5.6	142.2	1967
6	0.1	2.5	1956	2.0	50.8	1966
7	0.1	2.5	1976	4.0	101.6	1953
8	0.1	2.5	1957	0.1	2.5	1954
9	0.1	2.5	1967	2.7	68.6	1955
10	0.1	2.5	1962	4.0	101.6	1961
11	0.1	2.5	1955	3.0	76.2	1977
12	0.22	5.6	1953	5.7	144.8	1951
13	0.1	2.5	1957	0.1	2.5	1953
14	0.1	2.5	1967	9.0	228.6	1979
15	0.1	2.5	1959	3.0	76.2	1961
16	0.1	2.5	1955	3.0	76.2	1961
17	0.4	10.2	1977	4.0	101.6	1973
18	0.1	2.5	1959	0.1	2.5	1965
19	0.1	2.5	1959	4.0	101.6	1974
20	0.1	2.5	1959	3.0	76.2	1958
21	0.1	2.5	1967	1.0	25.4	1965
22	0.1	2.5	1971	4.0	101.6	1975
23	0.1	2.5	1965	4.0	101.6	1961
24	0.1	2.5	1953	4.0	101.6	1955
25	0.1	2.5	1953	3.0	76.2	1967
26	0.1	2.5	1953	3.0	76.2	1957
27	0.3	7.6	1955	3.0	76.2	1957
28	0.1	2.5	1959	4.0	101.6	1957
29	0.1	2.5	1955	0.1	2.5	1955
30	0.1	2.5	1955	0.1	2.5	1974
31	0.1	2.5	1955	4.0	101.6	1967
Monthly	7.2	182.9	1957	1.0	25.4	1953

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	1954	4.0	101.6	1953
2	1.12	28.5	1973	3.0	76.2	1954
3	0.1	2.5	1973	0.1	2.5	1953
4	2.2	55.9	1959	4.0	101.6	1957
5	0.1	2.5	1964	4.0	101.6	1974
6	0.4	10.2	1982	5.0	127.0	1977
7	0.8	20.3	1953	5.1	129.5	1953
8	1.1	27.9	1954	5.5	139.7	1962
9	1.05	26.7	1966	4.0	101.6	1955
10	0.1	2.5	1973	6.0	152.4	1974
11	1.2	30.5	1956	5.6	142.2	1967
12	1.2	30.5	1966	6.0	152.4	1974
13	1.7	43.2	1959	2.0	50.8	1954
14	1.0	25.4	1952	3.1	78.7	1957
15	1.00	25.4	1959	3.1	78.7	1974
16	0.6	15.2	1951	3.1	78.7	1974
17	0.0	0.0	1955	8.0	203.2	1967
18	1.7	43.2	1951	3.3	83.8	1965
19	0.2	5.1	1970	1.7	43.2	1973
20	0.9	22.9	1957	3.0	76.2	1957
21	1.7	43.2	1952	6.1	154.9	1957
22	1.0	25.4	1955	7.0	177.8	1954
23	0.1	2.5	1959	5.0	127.0	1957
24	0.2	5.1	1952	3.1	78.7	1959
25	0.1	2.5	1973	3.0	76.2	1973
26	0.1	2.5	1954	4.1	104.1	1954
27	1.13	28.7	1952	5.3	134.6	1974
28	0.37	9.4	1970	5.0	127.0	1952
29	0.4	10.2	1964	4.0	101.6	1974
30						
31						
Monthly	7.2	182.9	1959	9.0	228.6	1954

* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION _____ STATION NAME _____

-1 -2 YEARS _____

DAY	MONTH					
	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.7		24 1977	3.	214	1 77
2	.		24 1978	2.1	244	1 77
3	.		22 1980	4.4	112	1 80
4	1.7		29 1980	4.	114	1 77
5	.		12 1984	3.6	1	1980
6	1.7		41 1982	4.2	1 7	1950
7	.		41 1 77	4.7	211	1 59
8	.		24 1967	3.6	1	1952
9	.		43 1982	17.	432	1 50
10	1.1		26 1977	4.3	1 7	1980
11	.		26 1977	7.1	1	1 77
12	1.1		1 1977	4.4	112	1 80
13	1.7		29 1956	2.1	74	1961
14	.		21 1947	3.	67	1964
15	.		15 1977	2.1	53	1 74
16	.		41 1 74	3.7	74	1 80
17	1.7		7 1984	2.1	53	80
18	1.7		44 1971	6.	122	1952
19	.		7 1944	6.	162	1 9
20	.		22 1957	7.	51	1 50
21	1.1		26 1980	4.1	117	1 74
22	.		23 1983	8.	221	1951
23	.		22 1984	6.6	167	198
24	1.7		43 1947	6.2	157	1956
25	1.2		22 1982	3.5	87	198
26	1.2		11 1985	4.3	1 7	1955
27	.		24 1984	3.5	35	1967
28	1.1		2 1981	1.7	45	1961
29	.		24 1972	3.1	77	193
30	1.7		51 1988	3.4	26	1962
31	.		24 1985	5.	135	1 62
Monthly	1.7		2 1978	17.	432	1 50

DAY	MONTH					
	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.		21 1973	2.1	51	7 5
2	1.7		17 1972	4.	112	195
3	7.1		11 1987	2.3	5	1985
4	3.4		14 1981	2.3	1	1972
5	1.7		47 1983	7.7	196	1 54
6	1.12		2 1965	7.4	1	1 77
7	2.4		12 1987	1.9	72	1974
8	1.21		31 1 71	4.6	124	1 57
9	1.71		21 1980	3.7	64	1 56
10	.		15 1957	4.4	112	1960
11	1.7		29 1980	1.4	16	1 72
12	4.75		121 1985	2.3	20	1 75
13	1.1		29 1987	1.7	43	1 5
14	2.6		19 1987	2.7	69	1982
15	1.74		44 1987	15.4	391	1987
16	2.1		12 1975	1.9	46	1960
17	2.5		14 1977	1.7	51	1 67
18	1.7		2 1980	3.2	1	1974
19	2.2		27 1981	1.5	67	1980
20	2.4		24 1983	1.7	38	1964
21	2.1		12 1986	1.1	27	1975
22	2.7		22 1972	1.3	48	1980
23	2.4		24 1981	2.3	56	1 84
24	1.4		19 1985	5.	127	1955
25	2.4		11 1978	2.3	4	1982
26	2.4		24 1972	3.6	1	1974
27	1.13		2 1980	5.4	143	1962
28	2.47		12 1966	2.3	71	1980
29	2.75		14 1974	1.6	46	1982
30	1.2		27 1985	6.4	163	1987
31						
Monthly	4.6		121 1985	15.4	391	1987

* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	1/24	2.0	50.8	1/7
2	0.2	5.1	1/27	1.0	25.4	1/6
3	0.1	2.5	1/27	2.0	50.8	1/21
4	0.1	2.5	1/27	0.1	2.5	1/7
5	0.1	2.5	1/27	1.0	25.4	1/27
6	0.1	2.5	1/27	1.0	25.4	8/7
7	0.1	2.5	1/27	0.1	2.5	1/27
8	0.1	2.5	1/27	0.1	2.5	1/27
9	0.1	2.5	1/27	0.7	17.8	1/27
10	0.2	5.1	1/24	0.1	2.5	1/27
11	0.4	10.2	1/24	0.1	2.5	1/27
12	0.6	15.2	1/24	1.7	43.0	1/6
13	1.0	25.4	1/27	4.0	101.6	1/27
14	0.1	2.5	1/27	0.1	2.5	1/27
15	0.1	2.5	1/27	3.0	76.2	1/6
16	0.1	2.5	1/27	0.1	2.5	7/7
17	0.1	2.5	1/27	0.1	2.5	2/7
18	1.0	25.4	1/27	1.0	25.4	1/27
19	0.1	2.5	1/27	1.1	27.9	1/6
20	0.1	2.5	1/27	0.1	2.5	1/27
21	0.1	2.5	1/27	0.1	2.5	1/27
22	0.1	2.5	1/27	0.1	2.5	3/7
23	0.1	2.5	1/27	0.1	2.5	9/7
24	0.1	2.5	1/27	0.1	2.5	1/27
25	0.1	2.5	1/27	0.1	2.5	4/7
26	0.1	2.5	1/27	0.1	2.5	1/27
27	0.1	2.5	1/27	0.1	2.5	1/27
28	0.1	2.5	1/27	1.0	25.4	1/27
29	0.1	2.5	1/27	0.1	2.5	7/7
30	0.1	2.5	1/27	0.1	2.5	1/27
31	0.1	2.5	1/27	0.1	2.5	1/27
Monthly	0.1	2.5	1/27	4.0	101.6	1/27

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25.4	1/24	0.1	2.5	1/27
2	0.2	5.1	1/27	0.1	2.5	1/27
3	0.7	17.8	1/27	0.1	2.5	1/27
4	0.1	2.5	1/27	0.1	2.5	1/27
5	0.1	2.5	1/27	0.1	2.5	1/27
6	0.1	2.5	1/27	0.1	2.5	1/27
7	0.1	2.5	1/27	0.1	2.5	1/27
8	1.0	25.4	1/27	0.1	2.5	1/27
9	0.1	2.5	1/27	0.1	2.5	1/27
10	1.0	25.4	1/27	0.1	2.5	1/27
11	0.1	2.5	1/27	0.1	2.5	1/27
12	0.4	10.2	1/27	0.1	2.5	1/27
13	0.1	2.5	1/27	0.1	2.5	1/27
14	0.1	2.5	1/27	0.1	2.5	1/27
15	0.1	2.5	1/27	0.1	2.5	1/27
16	1.0	25.4	1/27	0.1	2.5	1/27
17	1.0	25.4	1/27	0.1	2.5	1/27
18	1.0	25.4	1/27	0.1	2.5	1/27
19	1.10	27.9	1/27	0.1	2.5	1/27
20	0.1	2.5	1/27	0.1	2.5	1/27
21	0.1	2.5	1/27	0.1	2.5	1/27
22	0.1	2.5	1/27	0.1	2.5	1/27
23	0.1	2.5	1/27	0.1	2.5	1/27
24	0.1	2.5	1/27	0.1	2.5	1/27
25	0.4	10.2	1/27	0.1	2.5	1/27
26	1.10	27.9	1/27	0.1	2.5	1/27
27	0.1	2.5	1/27	0.1	2.5	1/27
28	0.1	2.5	1/27	0.1	2.5	1/27
29	1.0	25.4	1/27	0.1	2.5	1/27
30	0.1	2.5	1/27	0.1	2.5	1/27
31	0.1	2.5	1/27	0.1	2.5	1/27
Monthly	0.1	2.5	1/27	0.1	2.5	1/27

* ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



3

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.		1 1971			
2	.		4 1971			
3	.		1 1971			
4	.		1 1971			
5	.		8 1971			
6	.		1 1971			
7	.		14 1971			
8	.		1 1971			
9	.		1 1971			
10	.		7 1971			
11	.		7 1971			
12	.1		2 1971			
13	.		12 1971			
14	.		15 1971			
15	.		15 1971			
16	.		7 1971			
17	.		8 1971			
18	.4		18 1971			
19	.		1 1971			
20	.1		13 1971			
21	.		1 1971			
22	.		4 1971			
23	.		5 1971			
24	.		7 1971			
25	.		8 1971			
26	.		17 1971			
27	.		1 1971			
28	.		18 1971			
29	.		18 1971			
30	.		1 1971			
31	.		7 1971			
Monthly	.		1 1971			

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.1		1 1971			
2	.7		1 1971			
3	.		11 1971			
4	.		2 1971			
5	.8		14 1971			
6	.7		4 1971			
7	.1		24 1971			
8	.		29 1971			
9	.		2 1971			
10	.		15 1971			
11	.		4 1971			
12	.		18 1971			
13	.75		7 1971			
14	.1		34 1971			
15	.		1 1971			
16	.		24 1971			
17	.1		1 1971			
18	.		6 1971			
19	.1		1 1971			
20	.4		27 1971			
21	.		27 1971			
22	.		5 1971			
23	.		1 1971			
24	.		27 1971			
25	.		27 1971			
26	.2		6 1971			
27	.1		1 1971			
28	.		18 1971			
29	.		18 1971			
30	.1		15 1971			
31	.		27 1971			
Monthly	.2		6 1971			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1950-1951

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1		1950			
2	0.1		1950			
3	0.1		1950			
4	0.1		1950			
5	0.1		1950			
6	0.1		1950			
7	0.1		1950			
8	0.1		1950			
9	0.1		1950			
10	0.1		1950			
11	0.1		1950			
12	0.1		1950			
13	0.1		1950			
14	0.1		1950			
15	0.1		1950			
16	0.1		1950			
17	0.1		1950			
18	0.1		1950			
19	0.1		1950			
20	0.1		1950			
21	0.1		1950			
22	0.1		1950			
23	0.1		1950			
24	0.1		1950			
25	0.1		1950			
26	0.1		1950			
27	0.1		1950			
28	0.1		1950			
29	0.1		1950			
30	0.1		1950			
31	0.1		1950			
Monthly						

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.2		1950			
2	0.7		1950			
3	1.1		1950			
4	1.0		1950			
5	1.2		1950			
6	1.0		1950			
7	2.0		1950			
8	0.3		1950			
9	1.7		1950			
10	0.8		1950			
11	0.7		1950			
12	1.1		1950			
13	2.0		1950			
14	1.2		1950			
15	0.7		1950			
16	0.9		1950			
17	1.1		1950			
18	1.4		1950			
19	0.7		1950			
20	1.0		1950			
21	1.1		1950			
22	0.7		1950			
23	1.1		1950			
24	1.4		1950			
25	1.0		1950			
26	0.21		1950			
27	0.5		1950			
28	0.7		1950			
29	0.6		1950			
30	0.3		1950			
31	0.7		1950			
Monthly						

* ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1		1955	4.2	107	1964
2	1.1	57	1955	3.4	86	1967
3	1.1	56	1955	3.2	81	1968
4	1.1	75	1956	1.1	28	1977
5	1.4	79	1971	2.1	53	1978
6	1.1	70	1973	1.1	28	1981
7	1.1	67	1973	3.1	79	1981
8	1.1	72	1973	3.6	91	1981
9	1.4	77	1973	1.6	41	1981
10	1.1	73	1973	4.7	108	1984
11	1.1	41	1973	3.7	94	1981
12	1.1	73	1975	2.1	53	1982
13	1.1	72	1967	1.1	28	1964
14	1.1	77	1973	3.6	91	1977
15	1.1	76	1971	4.1	104	1982
16	1.1	74	1976	7.1	180	1967
17	1.1	73	1973	1.4	35	1984
18	1.1	76	1973	7.1	180	1983
19	1.1	73	1973	2.3	58	1981
20	1.4	77	1973	4.4	112	1984
21	1.1	71	1975	2.3	58	1984
22	1.1	1	1973	2.6	66	1967
23	1.1	41	1973	3.1	79	1981
24	1.1	35	1971	3.2	81	1983
25	1.1	77	1975	3.7	94	1984
26	1.1	73	1981	4.7	120	1981
27	1.1	74	1973	4.7	120	1984
28	1.1	76	1973	5.1	129	1985
29	1.1	1	1973	1.1	28	1978
30	1.1	57	1973	4.7	119	1984
31						
Monthly	1.1	75	1973	7.1	180	1984

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1	53	1955	2.1	53	1973
2	1.22	31	1957	2.1	53	1977
3	2.1	17	1973	2.3	58	1978
4	1.6	42	1955	5.4	137	1967
5	2.1	15	1980	3.1	79	1982
6	2.1	22	1973	6.6	168	1987
7	3.1	46	1973	3.6	91	1973
8	1.1	17	1973	2.7	69	1977
9	1.1	20	1973	4.1	104	1967
10	1.2	44	1955	3.4	86	1973
11	1.7	2	1973	3.7	94	1974
12	1.1	39	1964	3.1	79	1981
13	4.1	119	1975	5.1	129	1973
14	1.1	36	1973	6.1	155	1982
15	2.7	20	1976	7.2	183	1974
16	4.1	102	1973	6.6	168	1974
17	2.4	61	1963	5.7	145	1959
18	2.1	24	1966	6.7	170	1974
19	2.2	57	1967	5.7	145	1984
20	1.2	32	1967	4.4	112	1982
21	2.1	23	1981	4.3	109	1975
22	2.4	24	1981	3.7	94	1957
23	2.1	52	1956	8.4	213	1972
24	1.2	26	1973	8.6	219	1966
25	1.1	4	1974	3.3	84	1979
26	2.3	61	1981	5.2	132	1972
27	1.21	31	1984	6.1	155	1957
28	1.4	47	1973	2.1	53	1971
29	1.10	2	1977	3.9	99	1977
30	1.1	41	1967	4.1	104	1957
31	1.7	35	1972	10.1	257	1969
Monthly	4.1	119	1955	17.1	433	1969

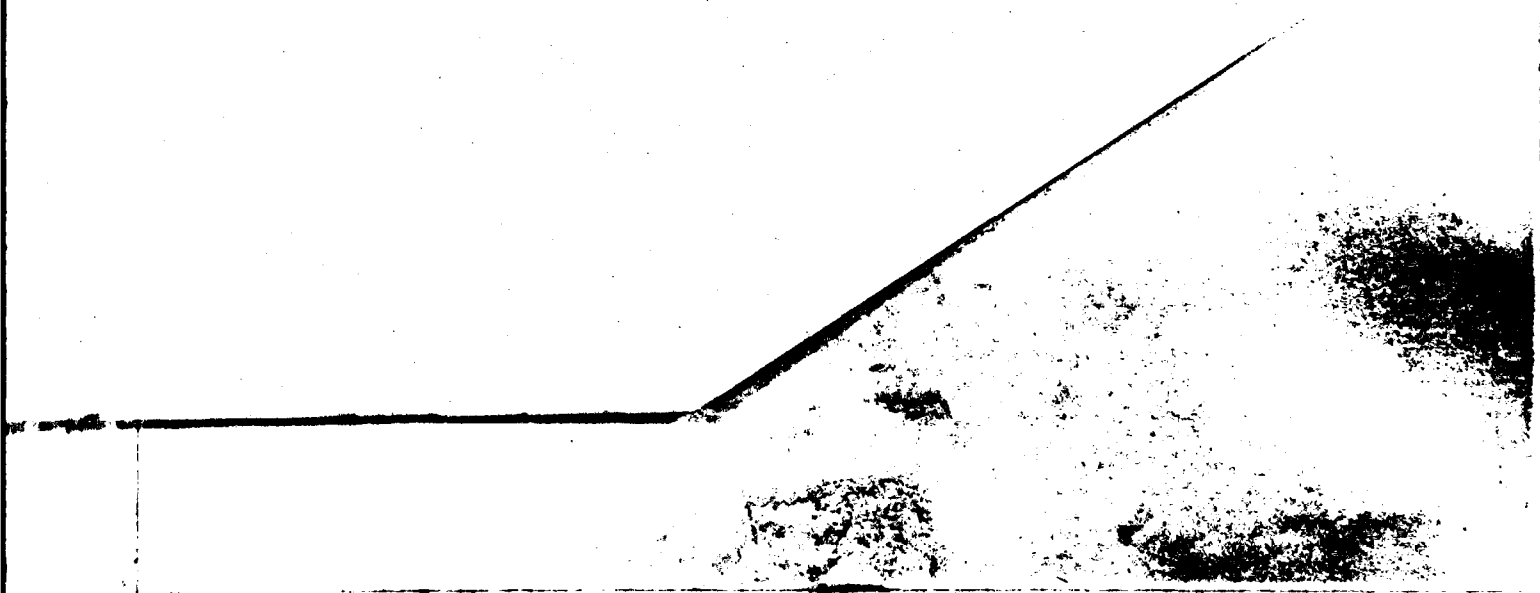
* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

WINDS (SFC)



3000, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND
(FROM DAILY OBSERVATIONS)

STATION 14 STATION NAME 5-30 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	40W 65W 70S	57E 55WSW 40NNW	48SSW 50SW 42SW	54SW 78SSW 55SSW 72	40W 74								
2	59W 66SSW 10E 55E	79W 52W 51SSW	57NNW 64WSW 67E 4E	95SW 76SW 7									
3	58E 50NE 45S	75E 75	58E 56S	47WSW 58SW 60W 71NNW	80SSW 77								
4	4E 52SE 65S	109SW 61NNW	70E 48S	58WSW 52SE	57W 48SSW	57WSW 74							
5	4W 82SSW 63WSW	80WSW 78SW	67E 58WSW	60NW 60SW	65S	80SSW 72SW	70						
6	4W 53SW 71WSW	74SW 90SW	73E 51WSW	44NNW 55SW	70SW 60SSW	73SW 74							
7	5W 60SW 57SW	63SSW 76SSW	48S 56W	46E 58NE	55NNW	57SE 55SW	56						
8	5W 61E 59E	89W 64WSW	69W 54W	59WSW 60W	6W	80SSW 49S	64						
9	4W 51SE 60SW	74W 68SW	37E 48NNW	59WSW 49E	63E 67W	49SW 77							
10	5W 79SE 71SW	73W 42WSW	53NE 41W	41E 49SSW	61NW 70SW	44SE 57							
1	5W 60SSW 47NE	67SW 70SW	61W 42S	56WSW 47WSW	53W 74SW	101W 55							
2	4E 73SE 63NNW	79W 53SW	62SSW 5W	27S 47W	58SSW 55S	54W 74							
3	4E 47E 47SSW	72SSW 56SE	54NE 46SW	56WSW 41W	62W 58W	54SSW 67							
4	5W 43SE 62WSW	59SE 57	5SE 58SW	45SE 45	63SSW 97S	51							
5	5E 47SW 54NNW	41S 49	6NN 44SE	40SSW 58NW	37W 85SW	72W 54							
6	4W 69SW 74W	41W 53SW	59NE 37S	34SW 50NW	47SW 47S	56SW 57							
7	4W 74SW 69SE	55SW 47W	31NE 35WSW	45W 44NW	67W 51SW	60S 54							
8	5W 57E 66W	49NNW 48NNW	47SW 33SW	32NE 41NE	44NW 60W	40SSW 57							
9	5W 75SW 73SE	40W 68W	40W 33W	33SW 32W	47NW 47SW	69W 76							
10	5W 34E 77S	44	45W 43SSW	43SW 57W	44NNW 59SW	71NNW 74							
11	20E 6127	4532	5621	5602	3717	4222	3727	6416	4618	5121	6318	67	27 64
12	21 5915	7912	5422	4926	4224	3812	3127	4002	4720	5714	4713	47	27 64
13	22 6714	6222	5117	5928	4107	3220	4220	5320	6120	6121	7419	64	21 74
14	20 3712	4525	4320	3926	5933	3221	4437	5218	4915	4022	6607	54	37 76
15	16 5623	5413	6337	5801	5727	4525	3424	4124	5621	7422	7610	66	22 76
16	22 6624	5817	5529	8628	4377	4127	3923	5429	7623	5403	5314	77	26 76
17	25 4724	7626	7016	5427	6325	3627	4613	4122	4728	9523	5915	77	29 95
18	11 6301	4729	4822	4623	5422	4524	4221	7222	5422	8317	8425	77	17 74
19	27 6936	5316	7720	7519	5423	4222	3825	4631	5329	6622	7421	77	22 70
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

257 4
STATION

222. 223. 224.

5-20

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

SMOS

EXTREME VALUES

2074
STATION

A-1, A-2, A-3

30-30

STATION NAME

YEARS

DAILY PEAK COSTS IN KNOTS
/BASED ON LESS THAN 20% OBSERVATIONS FOR MONTH/

[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER CLASS: CONDITION:

STATION: 2004 MONTH: JAN YEAR: 01 HOURS: 155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	7.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL-WEATHER CLASS: CONDITION:

STATION: YEARS: MONTH:

HOURS:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	0	0	0	1.0	1.0	0	0	0	0	0	0	1.0
NNE	0	0	0	0	1.0	1.0	0	0	0	0	0	1.0
NE	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0
VARBL												
CALM												
	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 174 STATION NAME ALL WEATHER YEARS 1954 MONTH 11 HOURS 11.5 T

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	2.0	.0	.0	.0					1.0	11.7
NNE	1.0	1.0	1.0	1.0	1.0	1.0	.0					1.0	11.3
NE	.0	1.0	1.0	1.0	1.0	.0	.0	.0				1.0	14.5
ENE	.0	.0	1.0	2.0	1.0	1.0						.0	11.7
E	.0	.0	1.0	2.0	1.0	1.0						.0	17.7
ESE				1.0								1.0	13.7
SE		.0		.0	.0							1.0	11.3
SSE			1.0	.0	1.0							.0	14.5
S	.0	1.0	2.0	.0	.0	.0						.0	11.3
SSW	1.0		.0	.0	.0	.0		.0				1.0	13.7
SW	.0	.0	.0	1.0	.0	1.0	.0					.0	11.3
WSW		1.0	2.0	2.0	1.0	.0						.0	11.3
W	.0	1.0	1.0	1.0	1.0	.0	.0					1.0	11.3
WNW		1.0	.0	1.0	.0							.0	11.3
NW	.0	.0	.0	1.0	.0							.0	11.3
NNW		.0	1.0	.0	.0	.0	.0					.0	11.3
VARBL													
CALM												1.0	
	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0				1.0	11.3

TOTAL NUMBER OF OBSERVATIONS 11.5

SMOS

0
3

NAVAL WEATHER SERVICE
DETACHMENT
ASHVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ALL COAST		
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	.0	1.0	2.0	2.0	.0	1.0	.0	.0				10.0	17.0
NNE	.0	1.0	2.0	2.0	.0	1.0	.0	.0				10.0	18.1
NE		1.0	2.0	1.0	.0	.0	.0					10.0	14.6
ENE		.0	2.0	1.0	2.0	1.0						10.0	14.6
E		.0	2.0	1.0	1.0	.0	.0					10.0	14.6
ESE	.0	.0	2.0	2.0	.0	.0						10.0	14.6
SE		.0	.0	.0	.0	.0						10.0	14.6
SSE		1.0	.0	.0	.0	.0						10.0	14.6
S	.0	1.0	1.0	2.0	1.0	.0						10.0	14.6
SSW	1.0	1.0	1.0	1.0	.0	.0						10.0	14.6
SW	.0	.0	.0	1.0	.0	.0	.0					10.0	14.6
WSW	.0	.0	.0	2.0	.0	1.0						10.0	14.6
W	.0	1.0	2.0	2.0	1.0							10.0	11.0
WNW	.0	.0	1.0	.0	.0	.0						10.0	11.0
NW	.0	1.0	.0	1.0	.0	.0						10.0	11.0
NNW		1.0	.0	1.0	.0	.0						10.0	11.0
VARBL													
CALM													
	.1	14.6	20.7	27.8	11.0	2.4	1.0	.0				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS OF DAY _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
NNE	1.0	1.0	1.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
NE	0.0	1.0	0.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
ENE	0.0	1.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
E	0.0	1.0	0.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
ESE	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
S	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SSW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SW	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
WSW	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
W	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
WNW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
NW	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
NNW	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
VARBL													
CALM													
	1.0	1.0	2.0	4.0	1.0	2.0	2.0	0.0	0.0	0.0	0.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
 AIRCRAFT
 REPORTING

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS
	CONDITION		

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	.	.	1.	.	.	.	.	.	.	.	11.1
NNE	11.1
NE	11.1
ENE	11.1
E	.	1.	.	1.	1.	1.	.	.	.	.	.	.	11.1
ESE	11.1
SE	11.1
SSE	11.1
S	.	1.	1.	1.	.	.	.	.	.	.	.	.	11.1
SSW	1.	1.	.	.	.	.	.	.	11.1
SW	.	.	.	1.	1.	1.	.	.	.	.	.	.	11.1
WSW	.	1.	.	.	.	.	.	.	.	.	.	.	11.1
W	.	1.	1.	1.	1.	1.	.	.	.	.	.	.	11.1
WNW	.	1.	.	.	.	.	.	.	.	.	.	.	11.1
NW	.	.	.	1.	.	.	.	.	.	.	.	.	11.1
NNW	.	.	1.	.	.	.	.	.	.	.	.	.	11.1
VARBL	11.1
CALM	11.1
	.	1.	1.	.	1.	7.	.	.	.	.	.	.	11.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	11		
	CLASS		HOURS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	2.	2.	.	.	1.	.				1.	11.1
NNE	.	.	2.	2.4	1.7	1.	.	.				1.	11.1
NE	.	1.	1.7	2.1	.	.	.	.				7.	11.1
ENE	.	.	1.	2.	1.7	.	1.	1.				7.	11.4
E	.	.	1.7	2.4	1.7	1.	.	.				7.	11.7
ESE	.	.	.	1.1	1.	.	.	.				7.	11.4
SE	.	.	.	.	.	.	1.					1.	11.7
SSE	.	1.	.	.	.	.	.					1.	11.7
S	.	1.1	1.7	1.7	1.	.	1.					1.	11.7
SSW	.	.	1.7	1.7	.	.	.	1.				4.	11.1
SW	.	.	1.7	1.9	.	.	.	.				4.	11.6
WSW	.	1.7	1.	1.9	.	.	.	.				7.	11.7
W	.	1.7	1.	2.5	1.	.	.	.				7.	11.7
WNW	1.	.	.	1.	1.	.	.	.				7.	11.7
NW	.	.	.	.	1.	1.	.	.				7.	11.7
NNW	.	.	1.7	1.	1.	.	.	.				7.	11.7
VARBL													
CALM													
	1.	1.	2.7	2.4	1.6	1.4	2.	1.				11.7	11.1

TOTAL NUMBER OF OBSERVATIONS 117

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	1.1	2.7		.7	.7					2.1	17.1
NNE	.1	1.1	7.1	7.1	7.1	1.4						1.1	17.1
NE		.1	7.1	1.4	.4	1.4						.1	12.1
ENE		.1	.7	.4	.4	.7	.7					.1	12.1
E		.1	7.1	1.4	1.4	.7	.7					.1	12.1
ESE		.1	.1	.7	.7	.7	.7					.1	14.4
SE	.1	.1		1.1	.7							.1	11.4
SSE	.1		1.1		.7	.1						.1	11.4
S	1.1	1.1	1.1	.4		.1						.1	7.1
SSW	1.1	.1	.7	1.1	.7							.1	.7
SW	.1		1.1	1.4	1.4	.1	.1	.7				.1	11.7
WSW		.1	7.1	7.1	.7	.1			.4			.1	10.4
W	1.1	1.1	1.4	1.4	.7	1.4						.1	12.7
WNW		1.1	.7		.1							.4	6.7
NW		.1	7.1	1.1	.4							.4	1.7
NNW	.1		1.1	1.1	.4							.1	1.7
VARBL												1.1	
CALM													
	.1	1.1	2.7	12.7	11.7	7.1	1.1	.7	.4			17.1	1.4

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALLIANCE CLASS: MONTH: YEARS: HOURS: 1 2 3 4 5 6 7 8 9 10 11 12

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	2.1	2.1	2.1	.7	.7					11.1	11.1
NNE	.1	1.1	2.1	2.1	1.1	1.1						11.1	11.1
NE	.1	.1	.7	.7	1.1	1.1	.4					11.1	11.1
ENE			.7	1.1	1.1	1.1						11.1	11.1
E	.1	.1	.7	.7	.7		.4					11.1	11.1
ESE		.1	.7	.7	.7	.4		.4				11.1	11.1
SE	.1		.7	1.4				.4				11.1	11.1
SSE			1.1	1.1				.4				11.1	11.1
S	1.1	2.1	.7	1.4	.4		.4					11.1	11.1
SSW	1.1	.1		.4	.4		.4					11.1	11.1
SW	1.1		1.1	1.1	.7	.7	.7					11.1	11.1
WSW	1.1	.1	1.4	1.4	.7	.4	.4					11.1	11.1
W	1.1	2.1	.7	1.4	1.4	.7		.4				11.1	11.1
WNW		.1	.7	1.1								11.1	11.1
NW	.1	.1	1.1	1.4			.4					11.1	11.1
NNW		.1	.1	2.1	.4	.4	.4					11.1	11.1
VARB												11.1	11.1
CALM												11.1	11.1
	.1	1.1	1.1	2.1	1.1	.7	.7	1.1				11.1	11.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1961-1962 MONTH: ALL MONTHS
CLASS: ALL WEATHER HOURS: ALL DAY
CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.1	.1	.1	.1					1.7	11.1
NNE	.1	.1	.1	.1	.1	.1						1.7	14.2
NE	.1		.1	.1	.1	.1	.1					4.7	14.7
ENE			.1	.1	.1	.1	.1					4.7	17.1
E		.1	.1	.1	.1	.1	.1	.1				5.7	17.3
ESE		.1	.1	.1	.1	.1	.1	.1				1.7	12.4
SE		.1	.1	.1	.1	.1						3.7	12.1
SSE	.1	.1	.1	.1	.1							2.7	11.9
S		.1	.1	.1	.1	.1		.1				4.4	11.3
SSW	.1	.1	.1	.1	.1	.1						3.7	11.6
SW	.1	.1		.1	.1	.1	.1	.1				5.7	14.6
WSW	.1	.1	.1	.1	.1		.1					7.7	11.1
W	.1	.1	.1	.1	.1	.1						5.7	11.7
WNW	.1	.1	.1	.1	.1							4.7	11.3
NW		.1	.1	.1	.1							2.7	11.3
NNW		.1	.1	.1			.1					3.7	11.8
VARBL													
CALM												1.7	
	2.1	13.1	17.1	23.4	18.7	10.6	7.7	1.1				112.0	11.3

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.1	2.4	2.4	1.1	1.1	.4					1.1	11.1
NNE	.	.4	1.4	3.4	2.4	.4	.4					.4	14.2
NE		.4	.4	2.4	.4	.4	.4	.7				.4	17.8
ENE			1.4	1.4	.7	.7	.4					.4	15.7
E	1.1		1.1	2.4	.4	1.4	.4					7.1	14.2
ESE		.4	.4	1.1	.4							.4	11.4
SE		.4		1.1	.4	.7						.4	15.1
SSE	.4	1.4	1.4	.7	.7							4.6	15.7
S	.4	1.4	1.1	.7	.4	.7						5.7	15.4
SSW	.4	.7		1.4		.7						.4	12.4
SW	.4	1.1	1.4	.7	.4	1.1	.4					5.7	13.4
WSW	1.1	.	1.4	1.4	2.1	.7	1.1					.4	14.4
W	.7	1.4	1.4	1.1	.7	1.4	.4					7.4	13.4
WNW		1.1	.4	.7	.4							.4	10.1
NW		1.4	.7	.7	.4	.4						.4	11.1
NNW		.7	.7	2.1		.4	.4					4.6	14.1
VARBL													
CALM												1.1	
	.4	1.4	1.7	2.4	1.1	.4	7.4	.7				17.4	11.1

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	0.0	0.0	1.0	0.0	0.0					11.0	12.0
NNE	0.0	0.0	0.0	0.0	1.0	1.0	0.0					2.0	12.0
NE	0.0	0.0	0.0	0.0	1.0	1.0	0.0					2.0	12.0
ENE		0.0	1.0	0.0	1.0	0.0						2.0	12.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0	12.0
ESE	0.0	0.0	0.0	0.0	0.0	1.0						1.0	12.0
SE		0.0	0.0		0.0	0.0						0.0	12.0
SSE		1.0	0.0	1.0	0.0							2.0	12.0
S	0.0	1.0	0.0	0.0	0.0	0.0	0.0					2.0	12.0
SSW	0.0	0.0	1.0	0.0	0.0	0.0						1.0	12.0
SW	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0				2.0	12.0
WSW	1.0	1.0	0.0	1.0	1.0	0.0	0.0					4.0	12.0
W	0.0	0.0	0.0	0.0	0.0	1.0						1.0	12.0
WNW		0.0	1.0	1.0	0.0	0.0						2.0	12.0
NW	0.0	0.0	0.0	0.0	0.0							0.0	12.0
NNW		0.0	1.0	1.0	0.0	0.0	0.0					2.0	12.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	3.0	0.0				10.0	12.0

TOTAL NUMBER OF OBSERVATIONS: _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER CLASS: MONTH: 1-1951
STATION: YEARS: CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	2.0	1.0	1.0	.0					1.0	14.4
NNE	.0	1.0	1.0	2.0	1.0	.0	.0					1.0	14.5
NE	.0	.0	1.0	2.0	1.0	.0	.0	.0				7.0	15.3
ENE		1.0	1.0	1.0	1.0							5.0	15.4
E	.0	1.0	.0	1.0	1.0	.0	.0					6.0	12.1
ESE	.0	.0		.0	1.0							1.0	12.3
SE		.0	1.0	.0	.0							2.0	8.9
SSE		.0	1.0	2.0		.0						6.0	11.3
S	.0	1.0	1.0	1.0	.0	.0						5.0	12.3
SSW	.0	1.0	1.0	2.0	.0	.0						6.0	11.0
SW		.0	1.0	1.0		.0	1.0					5.0	14.4
WSW		.0	1.0	2.0		1.0		.0				6.0	15.7
W	.0	1.0	1.0	2.0	1.0	1.0						7.0	13.3
WNW	.0	1.0	.0	2.0	.0							5.0	12.2
NW	.0	.0	1.0	.0	.0							3.0	14.3
NNW		1.0	2.0	1.0	1.0	.0	.0					6.0	12.2
VARBL													
CALM												5.0	
	.0	1.0	2.0	4.0	14.0	7.0	1.0	.0				12.0	12.3

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ELLINGTON		17
	CLASS		HOURS - LST
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	1.4	2.1	2.1			.4				.7	12.9
NNE	.4	1.4	1.4	2.1	2.1	1.4						.7	12.4
NE			1.4	1.4		1.4		.4				.7	12.5
ENE		.7	1.4	1.4	1.4	.7						.7	12.4
E	.7	.7	1.4	2.1	1.4	1.4		.4				.7	12.6
ESE	1.4	.4	.7	1.4	.4							7.7	12.1
SE				1.4		.7						1.4	12.5
SSE	.7	.4	1.4	1.4	1.4							3.4	11.6
S	.7	1.4	1.4	.4	.4	.4						2.1	12.7
SSW	.7	.7	1.4	1.4	.7	.4	.4					5.4	12.1
SW			1.4	2.1		.7						4.4	12.2
WSW	.4	1.4		.7	.7	.7		.4	.4			4.4	12.7
W	1.4	2.1	2.1	4.3	.4	.4	.4					17.7	11.2
WNW	.4	1.4	1.4	1.4	.7							5.4	12.8
NW	1.4	.4	1.4	.7	.4							4.4	12.1
NNW	.4	.7	.7	1.4	1.4	1.4						6.4	12.4
VARBL													
CALM													
	.7	12.1	12.4	22.7	12.5	2.1	1.4	1.4	.4			12.7	11.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1951-1952 MONTH ALL
CLASS CLIMATE HOURS 11.5
CONDITION CLIMATE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	1.1	2.1	1.4	.7	.4					1.1	1.1
NNE		.7	1.1	.7	2.1	1.1	.4					1.1	1.1
NE		.7	.7	1.1	.7	.7	.4					1.1	1.1
ENE	.1	1.1	1.1	.4	.7	.7	.7					1.1	1.1
E	.7	.7	1.1	2.1	.4	1.1		.4				1.1	1.1
ESE	.1		1.1	.4								1.1	1.1
SE		.4		.1	.4	.7						1.1	1.1
SSE	.1	1.1	.4	.7	.7	.7						1.1	1.1
S	.1	1.1	1.1		.7							1.1	1.1
SSW		1.1	1.1	.4	.4							1.1	1.1
SW	.1	.4	1.1	1.4	1.4		.4	.7				1.1	1.1
WSW	.1		1.1	1.1	1.1	1.1	.4		.4			1.1	1.1
W	1.1	1.4	2.1	2.1	.7	.7						1.1	1.1
WNW	.7	.4	.7	1.4	.4							1.1	1.1
NW	.1	.7	.7	.4	.7							1.1	1.1
NNW	.1	.1	1.1	1.1	.4	.4						1.1	1.1
VARBL												1.1	1.1
CALM												1.1	1.1
	7.1	11.1	12.1	12.1	12.1	7.1	2.1	1.1	.4			1.1	1.1

TOTAL NUMBER OF OBSERVATIONS 11.5

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALLIANCE CLASS: LL MONTH: LL
STATION: ASHEVILLE, NC YEARS: 1954 HOURS: 11.5
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NNE	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0
NE	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	1.0	1.0
ENE	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
E	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
SE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
SSE	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
S	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
SSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
SW	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
WSW	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0	1.0
W	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0
WNW	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NW	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NNW	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
VARBL												1.0	1.0
CALM												1.0	1.0
	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS: 1154

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS OF ST _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.	1.	.	1.	1.	1.	.	.	.	.	.	6.	13.
NNE	.	.	1.	.	.	.	.	.	.	.	.	1.	13.
NE	.	.	.	1.	1.	.	.	.	.	.	.	1.	13.
ENE	.	.	.	1.	1.	.	.	.	.	.	.	1.	13.
E	.	.	.	1.	.	.	.	.	.	.	.	1.	13.
ESE	.	.	.	1.	.	.	.	.	.	.	.	1.	13.
SE	1.	13.
SSE	1.	.	.	.	.	.	.	1.	13.
S	.	1.	1.	1.	1.	.	.	.	.	.	.	11.	13.
SSW	.	1.	1.	1.	1.	.	1.	.	.	.	.	11.	13.
SW	.	1.	1.	1.	1.	1.	1.	1.	.	.	.	11.	13.
WSW	1.	1.	1.	1.	1.	1.	1.	1.	.	.	.	11.	13.
W	.	.	1.	1.	1.	1.	1.	1.	.	.	.	11.	13.
WNW	.	.	1.	1.	.	.	1.	.	.	.	.	11.	13.
NW	.	.	1.	1.	.	.	.	.	.	.	.	11.	13.
NNW	.	1.	.	1.	1.	1.	.	.	.	.	.	11.	13.
VARBL	11.
CALM	11.
	.	11.	11.	11.	14.	.	5.	1.	.	.	.	11.	11.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHTABUL, OH

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.	1.	1.	1.	.	.	.	.	.	.	1.
NNE	.	1.	1.	1.	1.	.	.	.	.	.	.	.	1.
NE	.	.	1.	1.	1.	.	.	.	.	.	.	.	1.
ENE	.	.	.	1.	1.	.	.	.	.	.	.	.	1.
E	.	.	1.	1.	1.	.	.	.	.	.	.	.	1.
ESE	.	.	1.	1.	1.	.	.	.	.	.	.	.	1.
SE	.	.	.	1.	1.	.	.	.	.	.	.	.	1.
SSE	.	.	1.	1.	1.	.	.	.	.	.	.	.	1.
S	.	.	.	1.	1.	.	.	.	.	.	.	.	1.
SSW	.	.	1.	1.	1.	.	.	.	.	.	.	.	1.
SW	.	.	1.	4.	2.	.	1.	1.	.	.	.	.	1.
WSW	.	1.	1.	1.	1.	1.	1.	1.	.	.	.	.	1.1
W	.	.	1.	4.	1.	1.	1.	1.	.	.	.	.	1.
WNW	.	1.	1.	1.	1.	1.	1.	1.	.	.	.	.	1.
NW	.	.	1.	1.	1.	1.	1.	1.	.	.	.	.	1.
NNW	.	.	1.	1.	1.	1.	1.	1.	.	.	.	.	1.
VARBL	1.
CALM	1.
	.	.	17.1	27.4	17.4	2.1	4.	1.	.	.	.	.	17.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
NNE	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
NE
ENE
E
ESE
SE
SSE	.	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
S	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
SSW	.	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
SW	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
WSW	.	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
W	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
WNW	.	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
NW	.	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
NNW	.	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.
VARBL													.
CALM													.
	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	.	.

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE V

NATIONAL WEATHER SERVICE
DEPARTMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ASHEVILLE		
	CLASS		HOURLY
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	1.	1.	1.	1.	.					1.	1.
NNE		.	1.	1.	1.	1.	.					1.	1.
NE	.	.	1.	1.	1.	.	.					1.	1.
ENE		.	1.	1.	1.	.	.					1.	1.
E		.	1.	1.	1.	.	.					1.	1.
ESE	.	.	.	1.	1.	.	.					1.	1.
SE				1.	1.	.	.					1.	1.
SSE		.	1.	1.	1.	.	.					1.	1.
S		.	1.	1.	1.	.	.					1.	1.
SSW			1.	1.	1.	1.	.					1.	1.
SW	.	.	1.	1.	1.	1.	.					1.	1.
WSW	.		1.	1.	1.	1.	.					1.	1.
W	.	.	1.	1.	1.	1.	.					1.	1.
WNW		.	1.	1.	1.	1.	.					1.	1.
NW	.	1.	.	1.	1.	1.	.					1.	1.
NNW		.	.	1.	1.	1.	.					1.	1.
VARBL													
CALM													
	.	.	1.	1.	1.	1.	1.	.				1.	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.	1.	1.	1.						1.	11.3
NNE		.	1.	1.	.	1.	.					1.	11.3
NE		.	.	1.	.	1.	.					1.	11.3
ENE		1.	.	1.	.	.	.					1.	11.3
E		.	.	1.	.	.	.					1.	11.3
ESE		.	.	1.	.	.	.					1.	11.3
SE		.	1.	1.	.			.				1.	11.3
SSE	.	1.	1.	1.	.	.	.					1.	11.3
S	.	1.	1.	1.	1.	.	.					1.	11.3
SSW	.		.	1.	1.	1.	.					1.	11.3
SW		.	1.	1.	1.	1.	.	.				1.	11.3
WSW		.	1.	1.	1.	1.	.	.	.			1.	11.3
W		.	1.	1.	1.	1.	.	.	.			1.	11.3
WNW		1.	1.	.	.	.	.					1.	11.3
NW	.	1.	.	.	.	.	.					1.	11.3
NNW	.	1.	.	1.	1.							1.	11.3
VARBL													
CALM												1.	
	.	1.	1.	1.	1.	1.	1.	1.				1.	11.3

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	NEW BRIDGE		17
	CLASS		HOURLY
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.	1.3	1.	1.7	1.3						7.	12.1
NNE	.2	1.	1.3	2.3	.6	.2						7.3	12.6
NE			.	1.6	.6	.2	.2					1.3	12.7
ENE	.2		.	1.5	1.5	1.						4.	12.3
E		1.2	1.3	1.3	1.3	.2						2.7	12.7
ESE		.	.2	.2	.3	.2						1.	14.7
SE	.2	1.2		1.6								2.	13.6
SSE	.2	1.3	1.2	1.2	1.2	.2	.2					6.2	12.1
S	.2	1.3	2.2	1.3	.6	1.2	.6					1.3	12.7
SSW		.2	1.3	2.3	1.3	.2	.6		.2			7.3	13.6
SW	1.2	.2	1.2	2.3	.6	1.2	.6					1.2	14.7
WSW	.	1.2	1.3	1.3	1.2	1.2	.6					6.2	13.3
W	.2	.6	1.2	2.6	.6	1.2	1.2		.2			7.2	17.
WNW	.2	1.2	1.3	.6	1.2	.2		.2				5.	11.7
NW	.2	1.2	1.3	1.2								3.2	7.6
NNW	.2	1.2	1.2	1.2	.2	1.						5.2	12.3
VARBL													
CALM												.	
	.1	1.2	1.4	3.6	12.6	10.2	4.5	.3	.5			120.2	12.1

TOTAL NUMBER OF OBSERVATIONS 117

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	.5	1.7	1.6	.2						7.0	17.0
NNE		.5	1.7	2.3	.6	.7						1.0	12.6
NE	.2		1.0	1.8	1.3	.7	.7					4.0	14.9
ENE	.2	.7	1.0	1.3	1.8	.7	.3					1.0	14.3
E		1.7	.7	1.0	.6	.7		.7				4.5	17.3
ESE			.5	1.3	.7							2.5	12.3
SE		.5	.5	.7	.6							1.0	12.3
SSE	.2	.5	1.7	.5		.5	.7					7.0	11.5
S	1.0	2.3	1.0	.5	.3	1.0	.3					1.0	2.0
SSW	.2	.5	1.0	2.3	1.3		.6					7.0	12.5
SW	.2	1.7	2.3	3.0	1.7	2.7	.6	.3	.3			13.0	15.3
WSW	1.0	.5	.5	1.0	1.7	1.6	.6		.7			7.1	17.4
W	1.0	1.0	1.7	2.6	.6	2.3	.7					15.0	15.2
WNW	.2	1.3	1.0	.6	1.0		.7					4.0	12.3
NW		1.7	.7	.7	.3							2.7	12.5
NNW		.5	1.0	1.0	.6	1.3						5.0	17.4
VARBL													
CALM													
	6.0	14.0	17.1	25.5	14.7	11.0	7.0	.5	.7			100.0	17.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER CLASS: CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	7.0	1.0
NNE	.0	.0	1.0	2.0	.0	.0	.0	.1	.0	.0	.0	6.0	1.0
NE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	4.0	1.0
ENE	.0	.0	.0	1.0	1.1	.0	.1	.0	.0	.0	.0	4.0	1.0
E	.1	.0	1.0	1.0	.6	.0	.0	.0	.0	.0	.0	4.0	1.0
ESE	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	4.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	1.0
SSE	.0	.0	1.0	.0	.0	.0	.1	.0	.0	.0	.0	3.0	1.0
S	.0	1.1	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	7.0	1.0
SSW	.0	.0	1.0	2.0	1.0	.0	.0	.0	.0	.0	.0	7.0	1.0
SW	.0	.0	1.0	2.0	2.0	1.0	1.0	.0	.0	.0	.0	10.0	1.0
WSW	.0	.0	1.0	2.0	1.0	1.0	.0	.1	.0	.0	.0	7.0	1.0
W	.0	.0	1.0	2.0	1.0	1.0	.0	.1	.0	.0	.0	7.0	1.0
WNW	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	4.0	1.0
NW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	2.0	1.0
NNW	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	4.0	1.0
VARBL													
CALM												4.0	
	9.0	11.0	14.0	30.1	17.1	10.0	4.0	.7	.0	.0	.0	100.0	1.0

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 ATW, AP STATION NAME 27-4 YEARS 1950 MONTH 1
CLASS ALL WEATHER
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	7.7	7.7	7.7	7.7						7.7	3.4
NNE			1.7	1.7	1.7	7.7	7.7					4.7	17.7
NE		1.7	1.7	1.7	7.7							4.7	17.7
ENE			7.7	7.7	7.7							1.7	17.7
E	7.7	7.7	7.7	7.7		7.7						7.7	17.7
ESE	7.7		7.7	1.7		7.7						7.7	11.7
SE		1.7	7.7	1.7								3.7	17.7
SSE	7.7	7.7		7.7	7.7		7.7					3.7	17.7
S	7.7	7.7	7.7	7.7	1.7	7.7	7.7					7.7	17.7
SSW	7.7	7.7	7.7	7.7	7.7	1.7						7.7	17.7
SW	7.7	1.7	1.7	4.7	7.7	1.7	7.7	7.7				17.7	17.7
WSW		1.7	1.7	7.7	1.7	1.7	7.7					7.7	17.7
W	7.7	1.7	7.7	7.7	7.7	1.7		7.7				7.7	17.7
WNW	7.7	1.7	7.7	7.7	7.7	7.7			7.7			7.7	17.7
NW		7.7	7.7	1.7	7.7		7.7					7.7	17.7
NNW	7.7	1.7	1.7	1.7	7.7		7.7					7.7	17.7
VARBL													
CALM													
	7.7	17.7	17.7	27.7	11.7	1.7	7.7	7.7	7.7			17.7	11.7

TOTAL NUMBER OF OBSERVATIONS 177

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER CLASS: ALL WEATHER CONDITION: ALL WEATHER

STATION: ADA, AL YEARS: 17-18 MONTH: ALL HOURS: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
NNE	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
NE	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
ENE	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
E	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
ESE	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
SE	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
SSE	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
S	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
SSW	1.7	1.7	1.7	1.7	1.7	1.7	1.7					11.7	11.7
SW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				11.7	11.7
WSW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				11.7	11.7
W	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				11.7	11.7
WNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				11.7	11.7
NW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				11.7	11.7
NNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				11.7	11.7
VARBL													
CALM													
	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				11.7	11.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
 CLASS: ALL WEATHER
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	1.0	1.0	.0	.0					.0	1.0
NNE	.0	.0	1.0	.0	.0							.0	.0
NE			.0	.0	.0							.0	.0
ENE	.0		.0	1.0	.0							.0	.0
E	.0	.0	1.0	1.0	.0							.0	1.0
ESE		.0		.0	.0							1.0	.0
SE	.0	.0	.0	.0	.0							.0	.0
SSE		.0	.0	1.0		.0		.0				.0	1.0
S	.0	1.0	.0	.0	1.0	.0	.0					.0	1.0
SSW	.0		1.0	.0	1.0	.0	.0					.0	1.0
SW	.0	1.0	.0	1.0	.0	.0	.0					.0	1.0
WSW	1.0	.0	.0	.0	.0	1.0	1.0					1.0	1.0
W	.0	1.0	.0	.0	1.0	1.0	.0					.0	1.0
WNW		1.0	.0	1.0	.0	.0		.0				.0	1.0
NW		.0	1.0	1.0	1.0	.0						.0	1.0
NNW		.0	.0	1.0	1.0	.0	.0					.0	1.0
VARBL													
CALM												.0	
	.0	1.0	1.0	1.0	1.0	.0	.0	1.0				1.0	1.0

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 STATION NAME ASHEVILLE YEARS 1971 MONTH 12
 CLASS ALL WEATHER
 CONDITION
 HOURS 12

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	7.7	1.7	.7	1.7						1.7	17.1
NNE	.7	1.7	.7	.7	.7							.7	1.4
NE			1.7	.7								.7	11.1
ENE	.7		.7	1.7	.7							.7	17.7
E		1.7	.7	.7	.7							.7	17.1
ESE	.7	.7	.7	.7	.7							.7	.7
SE		.7	1.7	1.7	1.7							.7	11.7
SSE	.7	.7	2.7	1.7								.7	11.4
S		1.7	2.7	2.7	.7	.7		.7				.7	12.7
SSW	.7	.7	1.7	1.7	1.7	1.7		.7				.7	17.6
SW			.7	.7	1.7	2.7	.7					.7	17.8
WSW		.7	2.7	4.7	2.7	2.7						.7	14.7
W	.7	1.7	2.7	3.7	2.7	1.7	.7					.7	17.2
WNW			1.7	.7	1.7	.7		.7				.7	18.4
NW	.7	.7	1.7	1.7	.7	1.7						.7	17.7
NNW		.7	2.7	2.7	.7	.7	.7					.7	17.7
VARBL													
CALM													
	.7	.7	2.7	2.7	1.7	.7	1.7	1.7				1.7	17.7

TOTAL NUMBER OF OBSERVATIONS 107

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1951 MONTH: 1

CLASS: ALL WEATHER

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0	1.0	1.0							1.0	1.0
NNE			1.0	1.0	1.0	1.0						1.0	1.0
NE	1.0		1.0	1.0	1.0							1.0	1.0
ENE			1.0	1.0	1.0							1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
ESE		1.0	1.0	1.0	1.0	1.0						1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0					1.0	1.0
SSE		1.0	1.0	1.0	1.0	1.0	1.0	1.0				1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			1.0	1.0
SSW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0
SW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL													
CALM													
	1.0	1.0	2.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS: 10

SMOS

U.S. DEPARTMENT OF COMMERCE
BUREAU OF MARINE SERVICE
WASHINGTON, D.C. 20540

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS OF OBSERVATION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DEPARTMENT
ASHTABUL, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
N-E
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

1408

AD-A150 375

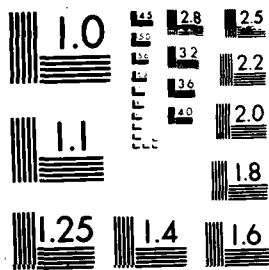
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
ADAK ALASKA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC AUG 84

214

UNCLASSIFIED

F/G 4/2

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ADAMS, AR YEARS: 77-81 DATE: 8/1

STATION: 0074 CLASS: ALL WEATHER MONTH: ALL

CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	2.0	2.7	1.1	.6	.2					9.4	11.7
NNE	.3	.6	1.7	1.6	.7	.7	.2	.7				5.5	12.4
NE	.2	.7	1.2	.7	.4	.1	.0					3.7	11.2
ENE	.3	.7	1.5	1.7	.7	.1						3.7	9.6
E	.7	.3	.9	1.7	.2	.1	.1					3.4	9.9
ESE	.7	.5	.6	.6	.1	.0						2.1	8.9
SE	.1	.7	.6	1.2	.5	.1	.0					3.1	12.1
SSE	.7	.6	1.7	1.2	.3	.1	.1	.7				3.7	12.0
S	.3	.7	2.0	2.5	.8	.6	.2	.0				7.1	12.6
SSW	.3	.7	1.0	1.8	.9	.7	.2	.1				5.7	14.5
SW	.4	.9	1.7	3.5	1.8	1.6	.4	.1	.7			10.7	15.1
WSW	.4	1.1	1.7	3.5	2.5	1.3	.4	.0				11.7	14.5
W	.4	1.3	2.4	3.1	1.6	.9	.3	.1	.0			10.7	13.8
WNW	.2	.7	1.4	2.6	.6	.4	.1	.3	.1	.7	.0	6.7	14.4
NW	.1	.7	1.1	1.6	.7	.4	.2	.0				4.8	13.1
NNW	.2	.7	1.0	1.8	.8	.0	.2					5.7	12.2
VARBL													
CALM												4.5	
	4.7	12.4	23.6	30.4	13.3	7.4	2.6	.9	.2	.0	.0	100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4044, AK 73-92 MAY NORTH 01
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	3.0	3.5	1.0	.3						11.3	9.9
NNE	1.0	1.0	1.3	1.3		.6						6.1	9.0
NE		1.3	1.0	1.0		.3						3.5	9.3
ENE	.3	.6	.3	.3	.6	.3						2.6	11.0
E	.3	1.3	.6	1.6								3.9	9.8
ESE	.6	.6	.6									1.9	5.5
SE	.3	.6	.6	.3								1.9	6.7
SSE	.3	1.0		1.0	.3		.3					2.9	11.0
S	1.0	1.0	2.3	.6	.3							5.0	7.7
SSW	.3	.3	1.0	1.0	.6			.3				3.0	13.3
SW	1.0	1.0	3.5	1.3	1.3	.6						8.7	10.7
WSW	1.6	.6	2.9	3.5	1.3	1.0	1.0					11.0	13.6
W	1.0	1.0	3.5	5.2	1.0	.6	.3	.6				13.0	12.7
WNW	.3	1.0	1.0	1.0								4.0	9.5
NW		1.3	1.3	1.0	.3	.3						4.0	10.9
NNW	.6	.3	1.0	2.6	.6	.6						5.0	12.0
VARBL													
CALM												8.7	
	10.0	16.1	24.2	26.1	7.4	4.8	1.6	1.0				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 71

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 A-44, A-7 73-02 MAY MONTH 04 HOURS 11.57

STATION NAME CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.3	2.3	1.0	.3						10.6	9.0
NNE	1.0	.0	1.6	1.6	.3	.6						5.3	10.9
NE	.7	1.6	.3									2.3	4.9
ENE	1.0	.0	1.3	.3	.3	.7						3.3	9.3
E	.3	.6	1.3	.6	.3							3.2	9.3
ESE	.7	.3		.3								1.0	6.7
SE	1.0	.6	.3	.3		.7						2.6	8.4
SSE		.3	.6		.3	.3						1.6	13.2
S	.3	1.3	1.6	1.0	.3							4.5	8.4
SSW	.0	.0	1.9	1.3	.3							4.3	7.4
SW	.3	1.0	2.3	2.9	1.6	.3	.6					10.0	12.7
WSW	1.6	1.0	2.3	2.3	1.6	.6	1.3					10.6	13.2
W	.6	2.6	2.6	3.2	2.6	.6	.3	.3				12.7	12.6
WNW	1.0	.6	1.3	1.9	.3							5.0	9.7
NW	.6	1.3	1.3	2.3								5.0	7.1
NNW	1.0	1.0	1.0	1.0	1.0	.6						6.0	11.7
VARBL													
CALM												9.0	
	11.0	19.0	21.0	22.3	10.0	4.0	2.3	.3				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 104, A 13-00 MAY
STATION NAME CLASS YEARS
CLAS NORTH
CONDITION 37
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	2.0	1.6	.6	.3						3.4	10.7
NNE	1.4	1.9	1.6	1.6	.3	.6	.3					4.4	9.9
NE	.3			.6	.3							1.2	9.4
ENE		1.7	1.6	1.7	.3							4.3	9.1
E	1.7	1.3	1.3	.3								4.6	6.1
ESE		.3	.3	.6								1.7	10.5
SE	.3		.3		.3							1.7	10.7
SSE	.3	.6	.6		.3							1.8	10.0
S	1.7	1.7	2.7	1.7	.3	.3						6.0	10.0
SSW	.6	1.6	1.6	1.6		.3						5.5	9.9
SW	1.6	2.3	1.6	1.6	1.3	.6		.6				9.4	12.2
WSW	.3	.6	2.6	3.2	1.7	1.6						9.7	13.1
W	1.7	1.7	3.2	4.5	1.3	1.7	.3	.6				13.7	14.0
WNW	.6	.6	1.7	1.9	.3	.3	.3					5.0	12.5
NW		1.7	1.7	.6	.3							3.0	9.7
NNW	1.7	.3	2.3	2.9	1.6							6.0	1.8
VARBL													
CALM													
	10.7	19.0	27.7	27.5	9.4	4.7	1.7	1.7				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 25714 STATION NAME ADAM, AK CLASS ALL WEATHER YEARS 73-80 MONTH MAY HOURS (LST) 17

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	3.0	4.8	1.0	.3						11.0	11.6
NNE	.7	1.4	2.3	1.9	.3	.3		.3				7.1	11.2
NE	.3		.6	1.0	.3							2.3	11.3
ENE		0.3	3.2	.6	.6							6.3	8.5
E	.3	3.9	1.0	.3								5.2	9.7
ESE	.3	1.3	.6									2.3	9.9
SE	.3	.3	.6	.6								1.9	8.0
SSE		.7	.3									.6	6.5
S		1.0	2.6	1.9	.6							6.1	10.7
SSW		.3	1.3	1.0	.3	.6	.3					3.4	14.4
SW	.3		1.3	3.9	.6	1.0	.3					7.4	14.3
WSW	.6		2.3	2.9	2.9	1.4	.6					11.0	15.2
W		1.0	2.9	5.9	1.9	1.9	1.6					15.3	15.5
WNW	.3	1.0	1.0	2.3	.3							5.3	9.4
NW		1.7	2.6	1.9	1.0							6.3	11.1
NNW			1.6	1.9	1.0							4.5	13.0
VARBL													
CALM												1.6	
	0.7	16.5	28.1	31.0	11.0	5.0	2.9	.3				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22714 STATION NAME 37 Ar y A4 YEARS 13-82 MONTH MAY
CLASS ALL WEATHER HOURS (LST) 13
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	2.0	6.2	1.6	.3	.3					11.7	13.9
NNE		.4	1.3	2.3	1.6							5.7	12.3
NE		.4	.4	1.0	.3							3.4	10.4
ENE	.3	1.9	3.4	1.9	.3	.3						6.4	9.7
E	.6	2.3	2.3	.3								5.7	6.3
ESE		1.0	.4									3.4	6.7
SE	.3	1.6	.3	.3	.3							2.9	7.2
SSE	.3	.3	1.6	1.3								3.6	9.2
S	.3	1.3	1.9	1.9	.6	.3	.3					6.7	11.1
SSW			.4	1.6	1.0		.3					3.4	15.2
SW		.3	1.0	2.3	1.3	1.0	.3	.6				6.7	13.1
WSW		.3	1.4	3.9	1.6	1.3						8.0	14.9
W		.6	3.9	4.9	2.6	2.9	1.0	.3				16.2	16.7
WNW		.3	1.6	2.3	1.0							5.0	11.9
NW			.4	1.9	.6	.6						3.3	15.3
NNW			1.3	1.9	1.0							4.2	14.2
VARBL													
CALM												.3	
	1.0	12.2	24.7	35.1	14.0	6.0	2.3	1.0				10.7	13.0

TOTAL NUMBER OF OBSERVATIONS 1302

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2574 STATION NAME Asheville, Ak CLASS 73-02 YEARS 16 MONTH MAY HOURS (L E T) 16

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.0	6.0	2.0	.7	.5					10.0	13.0
NNE		.0	1.0	1.0	1.0							5.0	13.0
NE		.0	1.0	1.0								3.0	11.1
ENE	.7	1.0	2.0	1.0	.3							5.1	9.1
E		1.0	2.0	1.0								5.0	8.4
ESE			.0	.3								1.0	9.3
SE	.7	.7	1.0	.7								1.0	7.0
SSE		.7	1.0	1.0								2.0	11.0
S		.0	2.0	3.0		.6		.3				7.0	12.6
SSW	.7		1.0	2.0		.6						4.2	12.7
SW		.7	1.0	1.0	1.0	1.0		.3				6.5	12.0
WSW		1.0	1.0	3.0	1.0	1.0	.3					10.0	14.3
W		.7	2.0	6.0	2.0	1.0	1.0					14.0	14.3
WNW		.7	1.0	2.0	1.0	.4	.3					6.0	14.7
NW			.0	1.0	.3	.3						3.0	14.5
NNW	.7	.0	.0	1.0	1.0							4.0	12.0
VARBL													
CALM												.7	
	1.0	17.0	25.0	30.0	12.0	7.1	2.3	.6				10.0	13.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1974 MAY 73-90
STATION NAME STATION CLASS YEARS MONTH NORTH 10 HOURS (LST)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	4.0	6.9	1.7	1.7						15.0	13.0
NNE	.7	.7	7.7	1.6	.7	.7						5.0	10.6
NE	.7	1.7	1.7	1.3	.3							4.0	7.7
ENE	.6	.7	2.7	1.3								5.0	6.0
E	1.7	1.7	.6	.3								2.0	6.0
ESE	.6	1.7		.6								2.7	5.5
SE		1.7	1.7	.3								2.0	7.4
SSE		.6	1.7	.6								3.0	6.7
S		.7	7.7	2.3	1.7	.3	.6					7.8	17.4
SSW		1.7	1.7	1.6								3.7	10.0
SW		.7	1.6	1.6	1.3	1.7	.3					7.7	15.7
WSW	.7	1.3	2.0	2.6	.3	.6	.3	.3				4.7	12.6
W	.7	.7	4.2	5.8	1.3	1.7						13.7	13.8
WNW			1.7	1.3	.6	1.7						3.8	15.8
NW	.7	.7	1.6	2.9	.3	.3						5.0	11.7
NNW	.6		1.6	1.6	1.7	.3						5.0	12.0
VARBL													
CALM												1.0	
	11.5	12.7	32.0	32.7	7.4	7.0	1.7	.3				110.0	11.8

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 73-82 MONTH: ALL
CLASS: ALL WEATHER HOURS (LST): 02
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.3	4.8	.6							10.3	13.3
NNE	1.3	2.6	2.3	1.6	.3		.3					7.6	7.8
NE	.6	1.3	.3		.3							2.3	7.0
ENE	.6	1.6	1.3	1.3								4.8	7.7
E	.3		.6	1.7								1.9	10.5
ESE		.3	.3	.3								1.7	7.7
SE		1.7	1.3	.3								2.6	8.4
SSE		.6	1.3	1.6	.3							3.2	10.0
S	2.3	1.3	1.6	1.3			.7					6.9	8.0
SSW		.6	.6	1.3	1.7							3.6	12.4
SW	.3	1.3	2.6	2.2	.6	1.3	.3					10.7	12.7
WSW	.6	1.3	2.6	2.9		1.6	.6					9.3	12.6
W	.3	1.6	2.9	6.1	.6	.6	.3	.3				13.2	12.6
WNW			1.7	1.3		.6						3.6	13.5
NW	1.7		1.7	1.6	1.6							6.1	10.8
NNW	.3	1.3		1.6	.6	1.7						4.6	12.4
VARBL													
CALM												7.7	
	10.0	16.8	22.4	30.2	6.1	4.6	1.9	.3				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 21

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 DATA, ASHEVILLE, NC 1954

STATION NAME ALL WEATHER CLASS ALL MONTH ALL HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	4.0	1.0	.0	.0					1.0	11.0
NNE	.0	1.0	1.0	1.0	.0	.0	.0					.0	1.0
NE	.0	.0	.0	1.0	.0	.0						.0	.0
ENE	.0	1.0	1.0	1.0	.0	.0						.0	.0
E	.0	1.0	1.0	.0	.0							.0	.0
ESE	.0	.0	.0	.0								.0	.0
SE	.0	.0	.0	.0	.0	.0						.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0					.0	.0
S	.0	1.0	1.0	1.0	.0	.0	.0	.0				.0	.0
SSW	.0	.0	1.0	1.0	.0	.0	.0	.0				.0	.0
SW	.0	1.0	1.0	1.0	1.0	1.0	.0	.0				.0	.0
WSW	.0	.0	1.0	1.0	1.0	1.0	.0	.0				.0	.0
W	.0	1.0	1.0	1.0	1.0	1.0	.0	.0				.0	.0
WNW	.0	.0	1.0	1.0	.0	.0	.0					.0	.0
NW	.0	.0	1.0	1.0	.0	.0						.0	.0
NNW	.0	.0	1.0	1.0	1.0	.0						.0	.0
VARBL												.0	.0
CALM												.0	.0
	.0	1.0	1.0	1.0	.0	.0	1.0	.0				1.0	11.0

TOTAL NUMBER OF OBSERVATIONS 471

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
 CLASS: _____
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	1.7	1.7								1.7	1.7
NNE	.7	2.7	2.7	1.7	.7	.7	.7					.7	1.7
NE	.7	1.7	.7	1.7								4.7	1.7
ENE	1.7	1.7	.7	.7		.7						2.7	1.7
E	1.7	1.7		.7								2.7	1.7
ESE	.7	1.7										1.7	1.7
SE	1.7	1.7	.7									3.7	1.7
SSE		2.7	2.7	.7								1.7	1.7
S	1.7	2.7	1.7	1.7	.7							7.7	1.7
SSW	.7	1.7	2.7	.7								4.7	1.7
SW	.7	.7	2.7	4.7	1.7	1.7						13.7	11.7
WSW	1.7	1.7	2.7	2.7	3.7	1.7	.7					11.7	11.7
W	.7	2.7	2.7	2.7	1.7	.7						6.7	1.7
WNW	.7											.7	1.7
NW	.7											.7	1.7
NNW	.7	1.7	1.7									3.7	1.7
VARBL												1.7	1.7
CALM												1.7	1.7
	11.7	22.7	24.7	23.7	7.7	3.7	.7					11.7	1.7

TOTAL NUMBER OF OBSERVATIONS: _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 4747, AS STATION NAME ALL WEATHER YEARS MONTH
CLASS
CONDITION
HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.3	7.7	7.7								10.4	7.7
NNE	7.7	2.7	2.7	1.7	.7	.7	.7					6.7	6.7
NE	.7	1.7	1.7	1.7								4.7	6.7
ENE	1.7	1.7	.7	.7								1.7	5.7
E		1.7	.7									1.7	5.7
ESE	.7	.7	.7									1.7	5.7
SE	1.7	1.7	.7		.7							1.7	5.7
SSE	1.7	1.7	1.7	1.7								7.7	6.7
S	1.7	3.7	1.7	.7	.7							7.7	6.1
SSW	.7	1.7	.7	1.7								6.7	7.7
SW		1.7	2.7	2.7	1.7	1.7	.7					7.7	17.4
WSW	1.7	1.7	3.7	6.7	2.7	3.7	.7					10.7	13.7
W	.7	2.7	3.7	2.7								1.7	6.2
WNW	.7	.7		.7								1.7	7.6
NW					.7							.7	10.7
NNW	.7	.7	.7	.7								1.7	6.7
VARBL													
CALM												11.7	
	17.7	23.1	21.7	21.1	4.7	4.7	1.7					10.7	7.7

TOTAL NUMBER OF OBSERVATIONS 719

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 STATION NAME ASHEVILLE, NC YEARS 1950-51 MONTH JUN
CLASS ALL WEATHER HOURS (L S Y) 7
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	4.7	1.7	1.7	.3						10.7	4.1
NNE	1.7	7.7	1.7	1.7		.3						7.7	7.1
NE	.7	1.7	3.7	.7								6.7	7.8
ENE	.7	1.7	1.7	1.7								4.7	7.8
E	7.7	1.7	.3	.7								3.7	9.7
ESE			1.7	.7								1.7	4.1
SE	.7	.7	.3									1.7	4.8
SSE	1.7	7.3	7.7	1.7								6.7	7.4
S	.7	7.3	7.7	7.7								8.7	.1
SSW	.7	.7	.7	.7	.3							3.7	4.9
SW	1.7	1.7	3.7	5.3	1.7	1.7	.3					14.7	12.4
WSW	.7	7.7	3.7	5.7	7.3	.7						17.7	11.7
W	.7	7.7	4.7	1.7	.3							9.7	7.4
WNW	.7		.7									1.7	7.8
NW			.7									.7	7.8
NNW			1.7	.3								1.7	17.8
VARBL													
CALM													
	.7	7.7	37.7	21.7	5.7	7.7	.3					100.7	7.7

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 STATION NAME 47-27 YEARS 1960
CLASS LL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	2.7	5.7	1.7							10.7	11.0
NNE	.7	.7	2.3	1.3	.3	.7						5.7	10.1
NE		1.7	2.7	3.0								7.7	10.0
ENE	1.7	2.7	2.7	1.3	.3							8.7	9.7
E	.7	2.7	1.7	1.7								7.7	7.4
ESE	.7	.7	.7	.3								2.7	7.3
SE		1.7	.7	.3	.3							2.7	6.5
SSE	.7	.3	1.7	.7								2.7	5.8
S		1.7	4.7	2.7	.7							9.7	10.4
SSW		.7	.7	.7								2.7	10.2
SW	.7	1.7	.3	4.3	2.7	.7	.3					9.7	14.5
WSW	1.7	1.7	1.7	5.7	3.7	2.7						15.7	14.0
W	1.7	1.7	4.3	7.7	1.7	.7						15.7	11.4
WNW		.7										.7	5.0
NW		.7	.3	.3								1.7	5.7
NNW		.7	.7	.7								1.7	5.3
VARBL													
CALM												.7	
	.7	1.7	24.7	38.7	1.7	3.7	.3					108.7	10.3

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 73-82 MONTH: JUN

CLASS: ALL WEATHER HOURS (LST): 17

CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.7	4.3	.7							9.7	10.6
NNE		.7	2.7	2.3	.7	.7						6.7	11.7
NE		1.3	1.7	2.3								4.7	9.7
ENE		2.7	2.7	2.3	1.7							9.7	11.0
E	.7	4.7	2.7	.7								8.7	7.4
ESE	.7	1.3	.7									2.7	5.4
SE	.7	.7	.7	.7			.7					2.7	12.5
SSE	.7	.3	2.7	1.7	.3							4.7	9.8
S		.7	2.7	4.7	.7	.7						6.7	11.7
SSW			.7	2.7	.3							3.7	12.6
SW	.7	1.7	1.7	2.7	3.3	2.7	.3					10.7	11.0
WSW	.7	.3	1.7	2.7	2.3	.7	.3					11.7	14.0
W		.7	2.7	2.3	2.7	.7						12.7	13.5
WNW		.7	1.7	.7								2.3	.3
NW	.7											.7	2.0
NNW			1.7	1.7	.3	.7						7.7	14.4
VARBL													
CALM												1.7	
	5.0	14.7	26.7	37.7	11.7	4.7	1.3					110.7	11.6

TOTAL NUMBER OF OBSERVATIONS: 700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 ADAS, AK 13-47 JUN 1957
STATION NAME CLASS YEARS MONTH HOURS
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	3.3	4.7	1.7							11.7	13.0
NNE		.7	1.7	2.3		.7						4.7	11.0
NE		1.7	4.7	3.7	.7							9.7	12.7
ENE	.7	2.7	3.7	.7								7.7	7.1
E	.7	2.7	2.7	1.3								7.7	7.3
ESE	.7	1.7	.7									2.7	
SE		1.7	1.3	1.7								3.7	
SSE		.7	2.7	1.7	.3	.7						5.7	
S			4.7	2.3	.7							8.7	
SSW		.7	.7	1.7		.7						2.3	
SW			.7	4.7	2.7	1.7	.3					9.7	1.0
WSW	.7		1.7	0.7	2.7	1.7						13.7	15.2
W		1.7	2.7	5.7	3.7		.7					11.7	13.5
WNW		.7	.3	.7								1.3	8.5
NW		.7	.3	.7								1.7	6.3
NNW		.7	.7	.7	.7							2.7	13.0
VARBL													
CALM												.7	
	.7	17.0	25.3	41.3	11.3	3.7	.7					10.0	11.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 174 STATION NAME ADAMS, AL YEARS 1960-61
CLASS ALL WEATHER
CONDITION

DATE 10/1/61 NORTH 19 HOURS 11.57

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	.7	5.4								17.7	10.2
NNE	.7	1.7	4.7	1.7	.7	.7						5.7	2.5
NE		.7	.7	1.7								5.7	3.9
ENE	1.7	1.7	1.7	1.7	.7	.7						5.7	4.7
E	1.7	1.7	.7									5.7	5.7
ESE	.7	1.7	.7									2.7	5.7
SE		1.7	1.7	.7								3.7	6.8
SSE		.7	1.7	3.7		.7						6.7	9.6
S		1.7	4.7	4.7	1.7							10.7	11.1
SSW	.7		.7	1.7	.7							2.7	11.5
SW	.7	.7	3.7	7.7	1.7	.7	.3					10.7	14.6
WSW		.7	7.7	4.7	1.7	1.7						11.7	13.4
W		1.7	4.7	5.7	1.7	1.7						13.7	13.1
WNW		.7	.7									1.7	7.7
NW					.7							.7	13.6
NNW	.7		1.7	1.7								.7	10.6
VARBL													
CALM												.7	
	4.7	14.4	36.1	31.4	1.0	4.7	.3					10.7	10.9

TOTAL NUMBER OF OBSERVATIONS 199

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4774 STATION NAME ASH, AP YEARS 73-80 MONTH JUN
CLASS ALL WEATHER HOURS (LST) 22
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.7	2.7	2.7	.3							12.7	7.6
NNE	1.7	3.7	1.7	1.7	.3	.3						8.7	5.6
NE	.7	1.3	1.7	1.7	.3							5.7	7.2
ENE	.7	.7	1.7	.3	.3							3.7	6.1
E	1.7	.3	.7									1.7	4.4
ESE		.7										.3	5.7
SE		.7	.7									1.7	7.3
SSE	.3	2.7	2.7	1.7								6.7	7.4
S	2.7	2.7	4.7	2.7	.3	.3						13.7	8.7
SSW	.7	1.3	2.7	1.7	.3							4.7	9.2
SW		2.3	5.7	2.7	1.7	.3						12.7	10.6
WSW	.7	1.7	2.7	5.7	2.3	1.3						13.7	13.4
W	1.7	2.7	2.7	1.7		1.7						8.7	8.6
WNW				.3		.7						.7	12.5
NW	.7	.7	.7	.3								2.7	6.7
NNW	.7	1.7										1.7	5.7
VARBL													
CALM												6.7	
	11.7	24.7	26.3	12.3	7.7	3.7						100.7	6.5

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0574 STATION NAME A-1, AK YEARS 73-74 MONTH JUNE
CLASS ALL HOURS (L E T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.5	2.0	.5	.0						10.0	9.8
NNE	.0	1.0	2.0	1.6	.3	.4	.1					7.0	9.8
NE	.0	1.0	2.3	2.0	.1							5.0	9.3
ENE	.0	1.4	1.7	1.0	.3	.1						5.4	8.3
E	.7	2.0	1.4	.5								4.7	6.6
ESE	.0	.0	.0	.1								1.0	6.0
SE	.0	1.0	.0	.3	.1		.0					2.0	7.4
SSE	.0	1.0	1.0	1.2	.1	.1						5.1	8.4
S	.0	2.0	3.0	2.7	.5	.1						9.1	9.8
SSW	.0	.0	.0	1.1	.2	.0						3.0	7.6
SW	.0	1.0	2.3	3.5	2.1	1.0	.3					10.0	13.4
WSW	.0	1.0	2.4	5.0	2.6	1.0	.1					14.1	13.7
W	.0	1.7	3.1	4.0	1.0	.5	.0					10.0	11.2
WNW	.0	.0	.0	.3		.0						1.1	7.7
NW	.0	.1	.0	.1	.1							.0	3.1
NNW	.0	.4	.7	.6	.1	.1						2.0	6.9
VARBL													
CALM												4.0	
	7.0	10.0	27.0	20.0	6.0	3.0	.0					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 2300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 1 A-1, A-2 17-18 JNL
STATION NAME YEARS MONTH 01
CLASS HOURS 11 57
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	.0	1.0	1.0							3.0	10.0
NNE	1.0	2.0	1.0	.0	.6							6.1	7.4
NE	1.0	.0	1.0		.3							4.0	4.5
ENE	1.0	1.0	1.0									4.0	4.5
E	1.0	1.0		.0								3.0	4.0
ESE	1.0	.0	.0	.6								2.0	5.4
SE		1.0	.0									2.0	5.9
SSE	1.0	1.0	.0	1.0								4.0	6.7
S	1.0	2.0	1.0	1.0								3.4	7.8
SSW	1.0	1.0	2.0	1.0	.0							5.0	6.8
SW	1.0	1.0	1.0	2.0	1.0	.0						9.0	10.0
WSW	1.0	3.0	3.0	5.0	1.0							15.0	9.6
W		2.0	2.0	4.0	1.0	.0						12.0	11.5
WNW		.0	1.0	.0								1.0	5.7
NW			.0	.6								1.0	10.0
NNW	1.0	1.0	.0	.3		.0						3.0	5.1
VARBL													
CALM												9.0	
	10.0	10.0	21.0	20.0	6.0	1.0						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1971-1972 MONTH: JUL
CLASS: ALL WEATHER HOURS: ALL
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	1.7	1.7							7.7	9.2
NNE	1.7	2.6	2.6	1.7								5.4	5.2
NE	1.7	1.7	.7	.7								3.7	4.7
ENE	1.7		.7	.7								2.6	3.1
E	.6	.7	.7	.6								2.7	2.7
ESE		1.7	.7									1.5	2.7
SE	.7	1.7	.7	.6								2.6	3.7
SSE	1.7	1.7	1.7	1.7								4.5	7.2
S	1.7	2.7	2.7	.6								7.4	6.4
SSW	1.7	1.7	1.7	1.7	.6							5.7	5.7
SW	1.7	1.7	1.7	2.9	1.7	.6						10.7	12.6
WSW	1.7	1.7	2.7	5.6	1.7	.6	.7					13.2	12.2
W	1.7	1.7	3.6	3.6	2.6	.7						12.7	11.7
WNW		.7	.7	.7								1.3	1.3
NW	.7	.7	.7	.3								2.3	3.1
NNW	1.7	.7				.7						1.9	6.2
VARBL													
CALM												11.7	
	17.7	25.7	28.7	21.7	7.1	1.9	.7					120.7	7.6

TOTAL NUMBER OF OBSERVATIONS 717

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1951-52 MONTH: JUL
STATION: 11 NORTH: 37
CLASS: LL WEATHER
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.0	1.0	1.0							7.1	10.0
NNE	1.0	2.0	1.0	.0								7.1	6.7
NE	1.0	1.0		1.0								4.0	6.0
ENE	1.0	1.0	1.0	.3								4.0	5.1
E	.0	1.0	.0	.0	.3							3.0	5.1
ESE	1.0	.0	1.0									3.0	4.6
SE	1.0	1.0	1.0	.3								3.0	6.4
SSE	.0	1.0	1.0	1.0								3.0	7.8
S	.0	1.0	2.0	1.0	.3							5.0	6.1
SSW	1.0	1.0	2.0	1.0	.3							8.0	6.0
SW	.0	1.0	1.0	4.0	1.0	.0						8.0	10.0
WSW	.0	1.0	4.0	4.0	.0	.0	.0					10.0	10.9
W	1.0	1.0	2.0	5.0	1.0	1.0						10.0	12.0
WNW	.0		.0									1.0	3.7
NW													
NNW	.0	1.0	1.0	.0	.3							3.0	.0
VARBL													
CALM													
	14.0	10.0	25.0	22.0	5.0	2.0	.0					10.0	.0

TOTAL NUMBER OF OBSERVATIONS: 111

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL STATE CLASS: 1 MONTH: 1
STATION: ASHEVILLE, NC YEARS: 1961-1962 HOURS: 181
CONDITION: ALL

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.7	3.7	.7							7.1	11.1
NNE	1.3	1.3	2.3	1.3								6.1	7.5
NE	1.3	3.3	2.3	.7								7.1	5.9
ENE	1.3	4.3	1.3	1.3								7.1	6.9
E	1.3	3.3	1.3	.6								6.1	7.7
ESE	1.3	1.3										2.3	7.6
SE	.7	1.3	2.3									3.3	7.7
SSE	.7	.7	2.3									3.3	7.7
S	.7	1.3	2.3	1.3	1.3	.3						6.1	12.1
SSW		.7	.7	1.3	.3	.7						3.3	12.6
SW		1.3	2.3	4.3	1.3							10.1	11.1
WSW			4.3	7.3	1.3	1.3						15.1	12.1
W	.7	.6	4.3	4.3	2.3	1.3						14.1	12.6
WNW	.7				.7							.6	12.5
NW					.7							.6	12.5
NNW	.7	.7	.7	.7		.7						1.3	15.1
VARBL												1.3	
CALM												1.3	
	1.3	19.4	31.7	27.7	7.4	4.7						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS: 181

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74 STATION NAME 17-11 YEARS MONTH 17
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0	0.0	0.0	0.0						0.0	1.0
NNE		1.0	2.0	0.0	0.0							0.0	1.0
NE	0.0	1.0	1.0	1.0								0.0	1.0
ENE	1.0	1.0	0.0	1.0								0.0	1.0
E	0.0	0.0	0.0	1.0								0.0	1.0
ESE	1.0	1.0	1.0	0.0								0.0	1.0
SE	0.0	0.0	1.0									0.0	1.0
SSE		0.0	1.0	0.0	0.0							0.0	1.0
S		0.0	1.0	1.0	0.0							0.0	1.0
SSW		0.0	0.0	0.0	0.0	0.0						0.0	1.0
SW		0.0	1.0	0.0	0.0	0.0						0.0	1.0
WSW		0.0	0.0	0.0	0.0	1.0						0.0	1.0
W		0.0	1.0	0.0	1.0	1.0						0.0	1.0
WNW				0.0	0.0							0.0	1.0
NW				1.0	0.0	0.0						0.0	1.0
NNW			0.0	1.0	0.0							0.0	1.0
VARBL												0.0	1.0
CALM												0.0	1.0
	1.0	14.0	17.1	31.1	11.0	0.0						1.0	11.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____ HOURS: _____
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.	0.	1.	0.	1.	0.						2.	1.0
NNE			0.	1.								1.	1.0
NE	0.	0.	0.	0.								0.	0.
ENE	0.	0.	0.	0.								0.	0.
E	0.	0.	0.	1.	0.							0.	0.
ESE	0.	0.	1.	0.								0.	0.
SE	0.	1.	0.	0.								0.	0.
SSE			1.	1.	0.							0.	1.0
S	0.	1.	0.	0.	0.							0.	0.
SSW		0.	1.	1.	0.							0.	1.0
SW	0.		1.	4.	1.							0.	1.0
WSW	0.		0.	0.	0.	1.						0.	1.0
W	0.	0.	0.	4.	0.	1.						0.	1.0
WNW	0.			0.								0.	0.
NW		0.	0.	0.		0.						0.	0.
NNW		0.	0.									0.	0.
VARBL												0.	0.
CALM												0.	0.
	0.	10.	31.	27.	12.	2.						100.	11.

TOTAL NUMBER OF OBSERVATIONS: _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS OF OBSERVATION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 STATION NAME 10-10 YEARS MONTH 12 HOURS 11.5

CLASS ALL-WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	1.0	1.0							1.0	1.0
NNE	1.0	2.0	2.0	1.0								2.0	1.7
NE	1.0	1.0	1.0		1.0							4.0	1.0
ENE		1.0	1.0	1.0	1.0							1.0	1.0
E	1.0	1.0	1.0	1.0	1.0							4.0	1.0
ESE		1.0	1.0	1.0	1.0							1.0	1.0
SE		1.0	1.0	1.0	1.0							2.0	1.0
SSE		2.0	1.0	1.0	1.0							4.0	1.0
S	1.0	1.0	2.0	2.0	1.0							9.0	1.0
SSW		1.0	1.0	1.0	1.0	1.0						2.0	1.0
SW		1.0	2.0	3.0	3.0	1.0						7.0	1.0
WSW	1.0	1.0	2.0	2.0	1.0	1.0						10.0	1.0
W		1.0	1.0	2.0	2.0	1.0	1.0					10.0	1.0
WNW			1.0	1.0	1.0	1.0						1.0	1.0
NW		1.0	1.0	1.0	1.0	1.0						1.0	1.0
NNW	1.0			1.0	1.0	1.0						2.0	1.0
VARBL													
CALM												9.0	
	11.0	10.0	22.0	22.0	10.0	1.0						10.0	1.1

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1950-1951

CLASS: LL WEATHER

CONDITION:

STATION: ASHEVILLE, NC MONTH: JUL

ALL

HOURE (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	.0	1.0	1.0	1.0	.0	.0						7.0	10.0
NNE	.0	.0	1.0	.0	.1							1.0	7.7
NE	.0	1.0	1.0	.0	.1							1.0	7.8
ENE	.0	1.0	1.0	.0	.0							1.0	6.7
E	.1	1.0	1.0	.0	.0							1.0	6.6
ESE	.0	1.0	.0	.0								2.0	5.6
SE	.0	1.1	1.0	.0	.0							2.0	5.7
SSE	.0	1.0	1.0	.0	.0							4.0	6.2
S	.0	1.0	.0	1.0	.0	.0						7.4	6.3
SSW	.0	.0	1.0	1.0	.0	.1						4.0	10.1
SW	.0	.0	1.0	1.0	1.0	.0						1.0	11.0
WSW	.0	1.0	4.0	5.0	1.1	.0	.1					15.0	12.4
W	.0	1.0	7.0	5.0	1.1	.0	.0					13.0	12.6
WNW	.0	.0	.0	.0	.1							1.0	6.0
NW	.0	.0	.0	.0	.0	.1						1.0	10.4
NNW	.0	.0	.0	.0	.1	.0						2.0	6.0
VARBL													
CALM												5.0	
	1.0	10.0	20.0	20.0	7.0	2.0	.1					10.0	6.0

TOTAL NUMBER OF OBSERVATIONS 207

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER CLASS: MONTH: 11 HOURS (LST):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	.6	2.6	.7							4.5	11.8
NNE	1.0	1.0	1.3	.3								3.6	8.3
NE	1.0	1.7	1.7	.3	.3							4.5	7.0
ENE	.7	1.0	.6	.3								2.3	6.7
E	.0	.4	1.0	.3	.3							2.0	7.7
ESE		.7		.3								.6	10.0
SE	.7	.7	1.6	.3	.3							2.9	9.3
SSE	1.0	.0	1.6	1.0								4.0	7.5
S	.0	2.4	4.2	1.0		.7						9.7	8.6
SSW	.0	.0	2.3	2.6								10.4	6.2
SW	1.0	1.0	1.9	2.9	1.3							8.4	10.4
WSW		.0	5.6	7.8	2.7	.3	.7					18.0	11.7
W	1.0	1.0	2.3	3.0	.6		.3					10.0	10.0
WNW	.0	.7	1.0	.6	.3							3.0	9.1
NW	.7	.7					.7					1.7	11.7
NNW	.0	.3		1.6								2.6	7.5
VARBL													
CALM												10.0	
	1.7	10.6	26.7	27.2	5.6	.4	1.0					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL - ASHEVILLE YEARS: 1950-51

CLASS: ALL - ASHEVILLE

CONDITION: ALL - ASHEVILLE

STATION: 100 MONTH: 1

HOURE: 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.0	2.0	.0							1.0	1.0
NNE	1.0	.0	1.0		.0							1.0	1.0
NE	1.0	1.0	.0									1.0	1.0
ENE	.0		1.0	.0	.0							1.0	1.0
E	1.0		1.0	1.0								1.0	1.0
ESE	.0											.0	.0
SE	.0	1.0	1.0	.0	.0							1.0	1.0
SSE	1.0	1.0	.0	2.0	.0							1.0	1.0
S	.0	1.0	2.0	1.0								1.0	1.0
SSW	1.0	1.0	1.0	1.0	.0			.0				1.0	1.0
SW	1.0	1.0	1.0	1.0	2.0	.0						1.0	1.0
WSW		2.0	2.0	2.0	1.0	1.0						1.0	1.0
W	.0	2.0	4.0	2.0	1.0	1.0	.0					1.0	1.0
WNW	1.0	.0		.0	.0							1.0	1.0
NW	.0	.0		.0			.0					1.0	1.0
NNW	.0	.0	.0	.0								1.0	1.0
VARBL												.0	.0
CALM												.0	.0
	11.0	10.1	21.0	23.0	8.1	2.0	.0	.0				10.0	1.0

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLAS

HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.7	1.7	1.7	1.7							1.7	17.0
NNE	.0	.0	.0	.0	.0							.0	0.0
NE	.0	1.7	1.7	.0								1.7	17.0
ENE		.0	1.7	.0								.0	0.0
E		1.7	.0	.0		.7						1.7	17.0
ESE	.0	.0	.0									.0	0.0
SE	.0	1.7	1.7	1.7	.0							1.7	17.0
SSE	.0	1.7	1.7	.0	.0							1.7	17.0
S	.0	2.0	2.7	1.7								2.0	20.0
SSW	1.0	1.7	.0	1.7	.0		.0					1.0	10.0
SW	.0	1.7	4.0	5.0	.0							1.7	17.0
WSW	.0	2.0	4.0	6.0	3.0	.0						2.0	20.0
W	.0	1.7	3.0	4.0	1.0	.0	.0					1.7	17.0
WNW		.0	.0	.0	.0							.0	0.0
NW					.0							.0	0.0
NNW	.0	.0	1.0	.0	.0	.0						.0	0.0
VARBL													
CALM													
	.7	17.7	27.5	26.1	7.4	1.7	.0					100.0	20.0

TOTAL NUMBER OF OBSERVATIONS

11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURLY _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	1.7	5.9	.6							1.1	2.6
NNE	.1	1.7	1.7	.6								3.1	3.7
NE	1.1	1.7	1.7	1.7								5.2	7.1
ENE	.1	1.7	1.7	.6								5.1	5.9
E	.1	1.7	.6	.7	.7							5.1	7.4
ESE	.1		1.7	.3	.7							3.1	2.9
SE		.7	.7	.3	.6							3.1	3.1
SSE		1.7	2.7	.7	.3							4.1	4.7
S	.1	1.7	1.7	2.7	.3	.7						7.1	10.1
SSW	.1	.7	1.7	7.7	.6	.7						6.1	11.4
SW		1.7	2.7	5.7	2.6	.7						1.1	17.2
WSW	.1	2.7	4.1	10.3	1.9	.3		.6				7.1	12.6
W	.1	.6	2.7	5.8	2.3	.7						12.1	12.1
WNW	.7	.7	.6		.7							1.1	5.4
NW		.7										.1	5.1
NNW	.1			1.7	.6	.1						2.1	17.3
VARBL													
CALM												7.1	
	5.1	17.4	25.7	34.5	11.0	2.7		.6				17.1	17.6

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 27-47, 28-47 STATION NAME YEARS MONTH 17
CLASS ALL WEATHER HOURS 11.5
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0		1.0	1.0	1.3							4.0	13.0
NNE	.0	1.0	1.0	.6	.6							4.0	13.0
NE	.0	.0	1.0	1.0								3.0	13.4
ENE	.0	0.0	1.0	.0								3.0	13.0
E	1.0	2.0	1.0	.6	.3							1.0	7.0
ESE	.0	.0	.6	.0								1.0	13.0
SE		.0	.6	.0	.0							2.0	13.0
SSE	1.0	.0	2.0	2.0		.0						6.0	13.0
S		.0	2.0	2.0	1.0							7.0	12.1
SSW		.0	1.0	1.0	.6	.6						4.0	13.0
SW			2.0	4.0	2.6	1.0						11.0	14.3
WSW		1.0	4.0	2.4	4.0	1.0	.6					17.0	14.3
W		.0	1.0	6.0	2.0	1.0						17.0	14.7
WNW			.0	.6								1.0	11.0
NW	.0		.0		1.0							1.0	14.4
NNW				1.0								1.0	14.3
VARBL													
CALM												.0	
	4.0	14.0	25.0	35.0	14.0	4.0	.6					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 STATION NAME YEARS MONTH 1
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	1.0	.6							3.0	11.0
NNE	.7	2.0	1.0	1.0	.3							6.0	10.0
NE	.7	1.0	1.0	1.0								4.0	10.0
ENE	.6	1.0	1.0		.3							3.0	10.0
E	1.0	2.0	1.0	.7								5.0	10.0
ESE	.7	1.0	.3	.3								2.0	10.0
SE		.7	1.0	.3	.3							2.0	10.0
SSE	.7	.3	2.0	1.0	.3							5.0	10.0
S		1.0	2.0	2.0								5.0	10.0
SSW			1.0	2.0	1.0		.6					5.0	10.0
SW		1.0	1.0	5.0	1.0	1.0						10.0	13.0
WSW		.6	5.0	5.0	5.0	1.0						17.0	14.0
W	.7	1.0	2.0	3.0	4.0	.6						14.0	17.0
WNW			.7	.6								1.0	11.0
NW		.7		.3	.6							1.0	11.0
NNW		1.0	1.0	.3	.6	.7						3.0	11.0
VARBL													
CALM													
	4.5	17.1	30.0	25.7	15.5	3.2	.6					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 71

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1950-51 MONTH 12
 ALL WEATHER CLASS 12 HOURS 12
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.7	1.7							3.4	10.1
NNE	1.7		3.4	5.1	6.8							11.9	5.1
NE		1.7	1.7	3.4	5.1							11.9	5.1
ENE	1.7	1.7	3.4	5.1	6.8							11.9	5.1
E	1.7	1.7	3.4	5.1	6.8							11.9	5.1
ESE		1.7	1.7	3.4	5.1							11.9	5.1
SE		1.7	3.4	5.1	6.8							11.9	5.1
SSE		1.7	3.4	5.1	6.8							11.9	5.1
S		1.7	3.4	5.1	6.8							11.9	5.1
SSW			3.4	5.1	6.8							11.9	5.1
SW		1.7	3.4	5.1	6.8							11.9	5.1
WSW		1.7	3.4	5.1	6.8	1.7						11.9	5.1
W		1.7	3.4	5.1	6.8	1.7						11.9	5.1
WNW		1.7	3.4	5.1	6.8	1.7						11.9	5.1
NW			3.4	5.1	6.8							11.9	5.1
NNW			3.4	5.1	6.8							11.9	5.1
VARBL													
CALM													
	7.4	10.1	27.4	26.7	9.7	4.5	3.4	3.4				11.9	10.1

TOTAL NUMBER OF OBSERVATIONS 12

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.											1.7
NNE		1.	1.	1.									1.7
NE			1.										1.7
ENE			1.										1.7
E													1.7
ESE													1.7
SE				1.									1.7
SSE				1.									1.7
S				1.									1.7
SSW				1.									1.7
SW				1.									1.7
WSW				1.									1.7
W				1.									1.7
WNW				1.									1.7
NW				1.									1.7
NNW				1.									1.7
VARBL													1.7
CALM												1.	1.7
												1.	1.7

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ARHIVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	WORTH
	LL PATENT		LL
	CLASS		HOURE 151
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	1.0	1.0	0.7							0.7	1.0
NNE	0	1.0	1.0	0.7	0.7							0.7	0.7
NE	0	1.0	1.0	0.7	0.7							0.7	0.7
ENE	0	1.0	1.0	0.7	0.7	0.7						0.7	0.7
E	0	1.0	1.0	0.7	0.7	0.7	0.7					0.7	0.7
ESE	0	1.0	1.0	0.7	0.7	0.7	0.7					0.7	0.7
SE	0	1.0	1.0	0.7	0.7	0.7	0.7					0.7	0.7
SSE	0	1.0	1.0	0.7	0.7	0.7	0.7					0.7	0.7
S	0	1.0	1.0	0.7	0.7	0.7	0.7	0.7				0.7	0.7
SSW	0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7			0.7	0.7
SW	0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7		0.7	0.7
WSW	0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
W	0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
WNW	0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
NW	0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
NNW	0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
VARBL													
CALM													
	0	17.7	2.0	2.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

TOTAL NUMBER OF OBSERVATIONS 147

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	WON'T
	ALL WEATHER		
	CLASS		HOURLY
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.7	0	1.7	1.7	0						0	0.7
NNE	0	1.7	1.7	1.7	0	0						0	0.7
NE	1.7	0	1.7	0	0							0	0.7
ENE		1.7	1.7	0								0	0.7
E		0	1.7	0								0	0.7
ESE	0	0	0	0								0	0.7
SE	0	0	0									0	0.7
SSE	1.7	0	1.7									0	0.7
S	1.7	1.7	0	1.7	0	1.7		0				0	11.0
SSW		1.7	0	1.7	0	1.7						0	11.0
SW	1.7	1.7	1.7	0	1.7	0	0					0	11.0
WSW	0	0	0	0	1.7	1.7						0	11.0
W	0	0	0	0	1.7	0						0	11.0
WNW	0	0	1.7	0	0		0					0	11.0
NW			0	1.7		0						0	11.0
NNW	0	1.7	1.7	1.7	1.7	0						0	11.0
VARBL												0	
CALM												0	
	11.0	17.7	20.0	17.7	0.0	0.0	1.7	0.0				11.0	

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS U.S.T.
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	.	.
NNE	.	1.	1.	1.	.	.	.	.	.	.	.	.	.
NE	.	.	.	.	.	.	.	.	.	.	.	.	.
ENE	.	.	.	.	.	.	.	.	.	.	.	.	.
E	.	.	.	.	.	.	.	.	.	.	.	.	.
ESE	.	.	.	.	.	.	.	.	.	.	.	.	.
SE	.	.	.	.	.	.	.	.	.	.	.	.	.
SSE	.	1.	.	.	.	.	.	.	.	.	.	.	.
S	1.	1.	.	.	.	1.	.	.	.	.	.	.	.
SSW	.	1.	.	.	1.	.	.	.	.	.	.	.	.
SW	.	.	1.	1.	1.	.	.	.	.	.	.	.	.
WSW	1.	1.	1.	1.	1.	1.	.	.	.	.	.	.	.
W	.	.	.	1.	1.	.	.	.	.	.	.	.	.
WNW	.	.	1.	.	.	.	.	.	.	.	.	.	.
NW	.	.	1.	1.	.	.	.	.	.	.	.	.	.
NNW	1.	.	.	1.	.	.	.	.	.	.	.	.	.
VARBL												.	.
CALM												.	.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 STATION NAME CLASS YEARS MONTH HOURS 11.57

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1	0	0	1	0	0	0	0	0	0	1	1.0
NNE	0	1	0	1	1	0	0	0	0	0	0	1	1.0
NE	0	1	1	1	0	0	0	0	0	0	0	1	1.0
ENE	0	0	1	0	0	0	0	0	0	0	0	0	0
E	0	1	0	0	0	0	0	0	0	0	0	0	0
ESE	0	1	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	1	0	0	0	1	0	0	0	0	0	0	1	1.0
SSW	0	0	1	1	0	0	1	0	0	0	0	1	1.0
SW	0	1	0	0	1	1	0	0	0	0	0	1	1.0
WSW	0	1	0	0	0	1	0	0	0	0	0	1	1.0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	1	0	0	0	0	0	0	0	0	0
NNW	0	0	1	1	1	1	0	0	0	0	0	1	1.0
VARBL													
CALM													
	1	1	2	3	1	2	1	0	0	0	0	1	11.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	4.7	1.7	2.7							17.3	12.4
NNE		1.7	1.7	1.7	1.7							11.3	
NE		1.7	1.7	1.7	1.7	1.7						11.3	
ENE	1.7	7.7	4.7	1.7	1.7							11.3	
E	1.7	1.7	1.7	1.7	1.7	1.7						11.3	
ESE	1.7		1.7									1.7	
SE		1.7	1.7									1.7	
SSE		1.7	1.7	1.7		1.7						11.3	
S	1.7	1.7	1.7	1.7	1.7	1.7						11.3	
SSW			1.7	1.7	1.7	1.7						11.3	
SW	1.7		1.7	1.7	1.7	1.7	1.7					11.3	
WSW		1.7	1.7	1.7	1.7	1.7						11.3	
W		1.7	1.7	1.7	1.7	1.7						11.3	
WNW			1.7	1.7	1.7		1.7					11.3	
NW			1.7	1.7	1.7							11.3	
NNW		1.7	1.7	1.7	1.7							11.3	
VARBL													
CALM													
	1.7	1.7	1.7	30.7	17.3	1.7	1.7	1.7				11.3	12.4

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME U.S. WEATHER YEARS 1954 MONTH 1
CLASS 1 HOURS 15
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	1.0	4.0	4.0	1.0	0.7						1.0	1.0
NNE		0.7	0.7	0.7	0.7							0.7	0.7
NE		1.0	0.7	1.0								0.7	0.7
ENE	0.7	1.0	0.7	1.0								0.7	0.7
E	0.7	1.0	0.7		0.7							0.7	0.7
ESE		0.7		1.0								1.0	1.0
SE	0.7		1.0									0.7	0.7
SSE		1.0	1.0	0.7	0.7							0.7	0.7
S	0.7	1.0	4.0	0.7	1.0	0.7						0.7	11.0
SSW	0.7	0.7	0.7		1.0							0.7	11.0
SW			0.7	0.7	1.0	1.0		1.0				0.7	17.0
WSW			4.0	1.0	0.7							1.0	15.0
W			0.7	0.7	0.7	1.0	0.7	0.7				0.7	15.1
WNW			0.7	1.0	1.0	0.7						0.7	15.0
NW		0.7	1.0	1.0		0.7						0.7	11.0
NNW	0.7	0.7	1.0	0.7	1.0							0.7	11.0
VARBL													
CALM													
	0.7	12.0	34.0	20.0	14.0	4.0	0.7	1.0				1.0	15.1

TOTAL NUMBER OF OBSERVATIONS 15

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 AREA, AM STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

NOV 10 1950

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	4.7	7.7	1.7							13.7	1.7
NNE	1.7	7.7		1.7	1.7							5.7	1.7
NE	1.7	1.7	1.7									2.7	1.7
ENE	1.7	1.7	2.7	1.7								4.7	1.7
E	1.7	1.7	1.7									3.7	1.7
ESE	1.7	1.7	1.7	1.7								3.7	1.7
SE	1.7	1.7	1.7		1.7							3.7	1.7
SSE	1.7	1.7	1.7	1.7								2.7	1.7
S	1.7	1.7	2.7	2.7	1.7	1.7						1.7	11.7
SSW	1.7	1.7	2.7	1.7	1.7	1.7						4.7	1.7
SW	1.7	2.7	2.7	1.7	1.7	1.7	1.7					11.7	12.7
WSW	1.7	1.7	1.7	1.7	1.7	1.7	1.7					8.7	12.7
W	1.7	1.7	1.7	1.7	1.7	1.7	1.7					1.7	12.7
WNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7					3.7	12.7
NW	1.7	1.7	1.7	1.7	1.7	1.7	1.7					4.7	12.7
NNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7					2.7	12.7
VARBL												4.7	
CALM												4.7	
	1.7	1.7	1.7	1.7	1.7	1.7	1.7					1.7	1.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	Σ	MEAN WIND SPEED
N	.7	1.7	2.7	1.7	1.7	.7						7.7	10.0
NNE	.3	1.7	1.7	1.7	.7	.7						7.7	7.4
NE		1.7	1.7									3.4	3.4
ENE	.7	.7	1.7		.7							3.4	3.4
E			.7	.7								1.7	1.7
ESE	1.7	.7	1.7									3.4	4.8
SE	1.7	1.7		.7								3.4	4.8
SSE	.7	1.7	.7									3.4	4.8
S	.7	2.7	.7	1.7	1.7	.7						7.7	11.7
SSW	.7	1.7	1.7	1.7	1.7	1.7	.7					8.7	11.7
SW	1.7	1.7	3.7	2.7	1.7	.7	.7					10.7	13.7
WSW	1.7	2.7	4.7	3.3	1.7	1.7						11.7	13.7
W	.7	2.7	2.7	2.3	.3	.7						6.7	13.7
WNW	.7	.7	.7	1.7		.7						3.7	13.7
NW	.7	.7	1.7	.7	.7							3.7	13.7
NNW	.7	.7	2.7	2.7	1.7	.7						6.7	11.7
VARBL												12.7	
CALM													
	11.7	15.7	25.7	15.3	6.7	5.7	.7					100.7	.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 174 A A A A STATION NAME 77-81 YEARS SEP MONTH ALL HOURS 11 5 T

ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.	2.7	3.5	1.2	.2						1.5	1.4
NNE	.7	1.7	1.4	1.2	.5	.2						3.7	9.2
NE	.	1.1	1.7	.4	.2	.2						4.1	7.7
ENE	.4	1.1	1.7	.6	.1							3.1	7.7
E	.2	.2	.6	.3	.1	.2						2.1	5.2
ESE	.2	.2	.6	.7								1.7	4.5
SE	.2	.2	.1	.2	.1	.2						1.2	7.2
SSE	.2	1.1	1.7	.2	.2	.2	.2					3.2	7.7
S	.7	1.1	1.7	2.2	1.2	.5	.2	.2				7.1	11.2
SSW	.2	.7	1.4	.6	.5	.2	.2	.2				4.5	11.2
SW	.	1.1	2.1	2.7	1.2	1.1	.4	.2				9.1	13.2
WSW	.2	1.1	2.5	4.2	1.2	1.2	.2	.2				12.1	12.1
W	.2	1.5	2.2	2.2	1.7	.7	.2	.1				12.2	12.3
WNW	.2	.2	1.2	.7	.2	.1	.2	.1				3.2	13.4
NW	.2	.7	1.3	1.2	.7	.2						3.1	11.2
NNW	.5	.	1.2	2.2	1.2	.5						1.7	11.2
VARBL													
CALM												7.1	
	1.1	17.0	26.2	24.0	1.7	1.2	1.3	.5				10.2	10.2

TOTAL NUMBER OF OBSERVATIONS 2410

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ADAMS, AR YEARS: 23-24 MONTH: ALL
CLASS: ALL WEATHER
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	2.0	.0							1.0	1.0
NNE	.0	.0	1.0	1.0	.0	.0						2.0	12.3
NE	.0		.0	1.0	.0							1.0	12.0
ENE		.0		2.0	1.0	.0						3.0	14.3
E			.0	.0	.0							1.0	12.0
ESE		.0		.0								1.0	1.0
SE	.0			.0								.0	7.0
SSE	.0	.0	.0	1.0	.0		.0					2.0	12.2
S	.0	1.0	1.0	1.0	1.0	.0						5.0	11.5
SSW	1.0	.0	.0	1.0	.0	.0	.0	.0				3.0	13.0
SW	1.0		.0	1.0	1.0	1.0	1.0					6.0	11.0
WSW	.0	3.0	1.0	2.0	1.0	1.0	.0		.0			10.0	12.0
W	1.0	5.0	2.0	2.0	1.0	1.0	.0	.0				15.0	11.0
WNW	.0	.0	2.0	1.0	.0	.0		.0				3.0	12.0
NW	.0	.0	2.0	1.0	1.0							5.0	11.2
NNW		1.0	1.0	2.0	.0		.0					4.0	12.1
VARBL													
CALM													
	10.0	16.0	17.4	24.5	11.6	5.0	3.5	1.0	.0			10.0	11.7

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER CLASS: CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1	1	1	0							0	0
NNE		1	1	1	1							0	1
NE			1	1	0							0	1
ENE	0	0	1	1	0							0	1
E		0	1	1	0							0	1
ESE	0		0									0	0
SE	0		0									0	0
SSE	0	0	0	0	0							0	0
S	0	1	1	1	1	0	0					0	1
SSW	0	0	1	0	0		0	0				0	1
SW	0	1	1	3	1	1	0			0		0	1
WSW	0	1	1	3	1	0		0				0	1
W	0	4	2	2	0	0	0	0				0	1
WNW	0	1	1	1	0			0				0	1
NW	0	0	1	1	1	1						0	1
NNW		0	2	2	0	0						0	1
VARBL													
CALM													
	11	14	27	22	17	4	2	1		0		1	1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4 STATION NAME 77-8 YEARS MONTH
CLASS ALL-WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0
NE	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0
ENE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SSE	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
S	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SSW	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
W	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0
WNW	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
NW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
NNW	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0
VARBL												1.0	
CALM													
	.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	.0	.0	.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1951-1952 MONTH ALL
CLASS CL HOURS ALL
CONDITION CL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	7.0	.0	.0						1.0	7.0
NNE		.0	1.0	1.0	1.0	1.0						.0	1.0
NE	.0	1.0	.0	1.0	.0	.0						.0	.0
ENE	.0	.0	1.0	1.0	1.0							.0	1.0
E	.0			1.0								1.0	.0
ESE	.0	.0	.0	.0	.0							.0	.0
SE		1.0	.0	.0								1.0	.0
SSE	.0	1.0	.0	.0	.0							.0	.0
S	.0	1.0	1.0	1.0	.0	.0				.0		.0	1.0
SSW			.0	1.0	.0	.0						.0	.0
SW		.0	.0	7.0	1.0	1.0	.0	.0		.0		1.0	1.0
WSW	.0		.0	7.0	1.0	2.0	.0	.0				1.0	1.0
W	.0	1.0	2.0	7.0	1.0	.0						1.0	1.0
WNW		1.0	1.0	1.0	.0							.0	1.0
NW		.0	1.0	1.0	.0							.0	1.0
NNW	.0	1.0	1.0	2.0	1.0	.0						.0	1.0
VARBL													
CALM												.0	
	.0	1.0	2.0	26.0	11.0	7.0	1.0	1.0		.0	.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURLS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	0.7	0.7	4.5	4.0	0.7	0.7						1.0
NNE	0.7	1.0	1.0	0.7	0.7	0.7						1.0
NE		0.7	1.0	1.0	0.7							1.0
ENE	0.7	1.0	1.0	0.6	1.0							1.0
E		1.0	1.0	1.0	0.7							0.7
ESE		1.0	0.7									1.0
SE		0.7	1.0		0.7	0.7						1.0
SSE			0.7			0.7						1.0
S		0.7	1.0	1.0	0.7							1.0
SSW		0.7		1.0	1.0	1.0	0.7					1.0
SW	0.7	0.7	1.0	1.0	0.7	0.7	1.0	0.3				1.0
WSW	0.7	0.7	1.0	4.0	0.7	1.0	0.7	0.6				1.0
W			1.0	0.7	1.0	1.0	1.0			0.7		1.0
WNW			1.0	1.0	1.0	0.7						1.0
NW			1.0	1.0	0.7	1.0						1.0
NNW		1.0	1.0	0.7	1.0	0.7						1.0
VARBL												
CALM											1.0	
	1.0	11.0	27.1	26.0	14.0	11.0	2.0	1.0		0.7	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DEPARTMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
 DATA REPORT
 WINDS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURLS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	LEWISTON		
	CLASS		HOURS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	1.7	1.7	1.7	1.7						1.7	1.7
NNE		1.7	1.7	1.7	1.7	1.7	1.7	1.7				1.7	1.7
NE		1.7	1.7	1.7	1.7	1.7	1.7	1.7				1.7	1.7
ENE		1.7	1.7	1.7	1.7	1.7	1.7	1.7				1.7	1.7
E	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				1.7	1.7
ESE													
SE				1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
SSE		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
S	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
SSW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
SW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
WSW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
W	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
WNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
NW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
NNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
VARBL													
CALM													
	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS 15 T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	2.	1.	1.	.	.	.	.	.	.	1.	11.7
NNE	.	.	.	1.	.	1.	.	.	.	.	.	1.	11.7
NE	.	.	1.	.	.	.	.	.	.	.	.	1.	11.7
ENE	.	.	1.	.	.	.	.	.	.	.	.	1.	11.7
E	1.	11.7
ESE	1.	11.7
SE	.	.	.	1.	.	.	.	.	.	.	.	1.	11.7
SSE	.	.	.	1.	.	.	.	.	.	.	.	1.	11.7
S	.	1.	.	1.	1.	1.	.	.	.	.	.	1.	11.7
SSW	.	1.	.	1.	.	1.	1.	.	.	.	.	1.	11.7
SW	.	.	.	1.	1.	1.	1.	.	.	.	.	1.	11.7
WSW	.	.	1.	1.	1.	1.	.	.	.	.	.	1.	11.7
W	.	1.	1.	1.	1.	1.	1.	.	.	.	.	1.	11.7
WNW	.	.	.	1.	1.	.	.	.	.	.	.	1.	11.7
NW	.	.	.	1.	1.	.	.	.	.	.	.	1.	11.7
NNW	.	.	1.	1.	1.	1.	.	.	.	.	.	1.	11.7
VARBL												1.	
CALM												1.	
	.	.	11.7	24.3	13.7	8.7	8.7	8.7	8.7	8.7	8.7	100.	11.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ CLASS: _____ MONTH: _____
 YEARS: _____ HOURS: _____
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.0	2.0	.0	1.0						.0	12.0
NNE		.0	1.0	1.0	.0	1.0	.0	.0				.0	12.0
NE			1.0	.0	1.0		.0					.0	12.0
ENE			1.0	.0	.0		.0					.0	12.0
E	.0	.0	.0	.0								.0	12.0
ESE			.0	.0	.0							.0	12.0
SE		.0	.0	.0								.0	12.0
SSE	.0	.0		.0		.0	.0					.0	12.0
S	.0	1.0	.0	1.0	1.0	2.0	.0	.0				.0	12.0
SSW	1.0	1.0	1.0	.0	.0	.0	.0					.0	12.0
SW	1.0	.0	.0	2.0	2.0	1.0	1.0	.0				.0	12.0
WSW	.0	1.0	3.0	4.0	1.0	1.0	1.0			.0		.0	12.0
W	.0	1.0	1.0	1.0	2.0	1.0	.0	.0				.0	12.0
WNW		1.0	.0	2.0	.0	1.0						.0	12.0
NW			1.0	1.0	.0	.0						.0	12.0
NNW	1.0		1.0	1.0		1.0						.0	12.0
VARBL													
CALM													
	.0	2.0	12.0	24.0	11.0	12.0	5.0	1.0		.0		1.0	1.0

TOTAL NUMBER OF OBSERVATIONS: _____

SMOS

SURFACE WINDS

STATION

STATION NAME

YEARS

1000 1 1000

ALL ABOUT THE

CLASS

CONDITION

NOV 25 1957

TOTAL NUMBER OF OBSERVATIONS**SMOS**

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER CLASS: MONTH: 17 HOURS: 15.5

STATION: YEARS: CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	2.7	1.7	1.7	.7	.7					7.7	13.7
NNE		1.7	.7	7.3	.7	.7	.3	.3				7.7	14.7
NE			.7	.7				.3				1.7	17.7
ENE		1.7	.7	1.3	.3		.7					1.7	13.7
E		.7	1.7	.7		.7						7.7	11.7
ESE						.7						.3	15.7
SE	.7		.7	.7	.7	.7						2.7	14.7
SSE			.7	1.7	1.7	.7						4.7	15.7
S	1.7	1.7	2.7	1.3	7.3	.7		.7				8.7	15.3
SSW	.7	1.7	.7	1.7	.7	.7	1.7	.3				5.7	17.1
SW		.7	2.7	1.7	7.3	2.7	2.7	.7	.3			13.7	22.4
WSW	.7	1.7	2.7	2.3	.7	4.7	.7					17.7	15.7
W	.7	1.7	.7	.7	2.7	1.7	1.7					13.7	14.7
WNW		.7	1.7	1.7	1.7	.7						5.7	14.4
NW		.7	2.7	7.7	.7							7.7	15.7
NNW			1.7	1.7	1.7	.7						4.7	14.7
VARBL												1.7	
CALM													
	1.7	17.7	27.7	25.3	17.7	12.7	5.7	2.7	.3			17.7	14.7

TOTAL NUMBER OF OBSERVATIONS: 17

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS IN SET

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	1.7	2.3	.7	1.7						7.7	17.1
NNE	.7	.7	2.3	2.3	1.7	.7	.3					7.7	17.1
NE	.7	.7	1.7	.3		.7						2.7	17.5
ENE		1.7	1.7	1.7	.7		.7	.7				4.7	17.7
E	.7	.7		.7								1.7	17.7
ESE				1.7			.7					1.7	17.7
SE		1.7		.7								1.7	17.7
SSE	.7	1.7	.7	1.7	1.7	1.7	.7					7.7	17.7
S	.7	1.7	1.7	2.3	.7	.7		.7				7.7	17.7
SSW	.7	1.7		1.7	1.7	1.7	.3			.7		5.7	17.7
SW	.7	.7	1.7	2.3	1.7	2.7	.3	.3				17.7	17.7
WSW		.7	1.7	2.3	2.7	1.7	1.3					12.7	17.7
W	.7	1.7	4.7	3.7	2.7	1.7		.7				17.7	17.7
WNW		.7	2.7	1.3	.7	.7	.3					5.7	17.7
NW		.7		2.3	1.7	.7						4.7	17.7
NNW	.7	1.7	1.7	2.7		.7	.7					7.7	17.7
VARBL													
CALM													
	4.3	17.7	20.3	27.7	15.7	12.7	4.3	1.7		.7		10.7	17.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER CLASS: ALL WEATHER CONDITION: ALL WEATHER

STATION: 4 YEARS: 1961-1962 MONTH: 10 HOURS: 15

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

• PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE YEARS: 1957 MONTH: 1

CLASS: ALL HOURS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	2.7	1.0
NNE	.0	.0	.0	2.7	1.7	.0	.0	.0	.0	.0	.0	7.7	1.0
NE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.0
ENE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
E	1.0	.0	1.0	1.7	.0	.0	.0	.0	.0	.0	.0	4.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SSE	.0	.0	1.0	2.7	.0	.0	.0	.0	.0	.0	.0	4.7	1.0
S	1.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	4.0	1.0
SSW	.0	1.0	.0	1.7	1.7	1.7	.3	.0	.0	.0	.0	7.0	1.0
SW	.0	1.0	2.7	2.7	1.7	1.7	.0	.0	.0	.0	.0	10.0	1.0
WSW	.0	1.0	1.7	1.7	2.7	2.7	1.0	.3	.0	.0	.0	13.0	1.0
W	.0	2.7	2.7	2.7	2.7	1.7	1.0	.3	.0	.0	.0	13.0	1.0
WNW	.0	.0	1.0	1.0	1.7	.0	.0	.0	.0	.0	.0	4.0	1.0
NW	.0	.0	1.0	2.7	.0	.0	.0	.0	.0	.0	.0	5.0	1.0
NNW	.0	1.0	1.7	1.7	1.7	.0	.0	.0	.0	.0	.0	6.0	1.0
VARBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	2.0	12.0	10.0	25.0	11.0	11.0	4.0	1.0	.0	.0	.0	10.0	1.0

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____
CONDITION: _____
HOURS: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.0	1.0	1.0	1.0	.	.	.	.	.	.	1.7	17.0
NNE	.	.	1.0	1.0	1.0	.	.	.	.	.	.	1.7	17.0
NE	1.0	.	.	.	.	1.7	17.0
ENE	1.0	.	.	.	1.7	17.0
E	1.7	17.0
ESE	.	.	1.0	1.0	1.0	.	.	.	.	.	.	1.7	17.0
SE	1.7	17.0
SSE	.	.	.	1.0	1.0	.	.	1.0	.	.	.	1.7	17.0
S	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.	.	.	1.7	17.0
SSW	.	1.0	.	1.0	1.0	.	.	1.0	.	.	.	1.7	17.0
SW	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.	1.7	17.0
WSW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.	.	.	1.7	17.0
W	.	1.0	1.0	1.0	1.0	1.0	.	1.0	.	.	.	1.7	17.0
WNW	.	.	1.0	1.0	.	.	.	1.0	.	.	.	1.7	17.0
NW	.	.	1.0	1.0	.	.	.	1.0	.	.	.	1.7	17.0
NNW	.	.	1.0	1.0	.	.	.	1.0	.	.	.	1.7	17.0
VARBL													
CALM													
	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7	17.0

TOTAL NUMBER OF OBSERVATIONS: _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.	1.	.	1.	.	1.	.	.	.	.	.	1.
NNE	.	1.	1.	1.	1.	1.	.	.	.	.	.	1.
NE	.	.	.	.	1.	.	.	.	.	.	.	1.
ENE	.	.	.	.	.	.	.	.	.	.	.	1.
E	.	.	1.	1.	.	.	.	.	.	.	.	1.
ESE	.	.	.	1.	.	.	.	.	.	.	.	1.
SE	.	.	.	.	.	.	.	.	.	.	.	1.
SSE	.	.	1.	1.	.	.	.	.	.	.	.	1.
S	.	.	1.	1.	.	1.	.	.	.	.	.	1.
SSW	.	.	.	.	.	.	.	.	.	.	.	1.
SW	1.	1.	1.	2.	2.	.	.	.	.	.	.	1.
WSW	1.	2.	1.	2.	1.	1.	.	.	.	.	.	1.
W	1.	.	.	1.	1.	2.	1.	.	.	.	.	1.
WNW	.	.	1.	1.	.	.	.	.	.	.	.	1.
NW	.	1.	.	1.	.	.	.	.	.	.	.	1.
NNW	.	.	1.	2.	1.	.	.	.	.	.	.	1.
VARBL	.	.	.	.	.	.	.	.	.	.	.	1.
CALM	.	.	.	.	.	.	.	.	.	.	.	1.
	1.	11.	10.	24.	14.	11.	3.	1.	.	.	1.	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ANNVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	11.	11.	11.	11.	11.	11.	11.	11.	11.	11.	11.	11.	11.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
 1310000Z
 01/01/01

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.	1.	1.	1.							1.	1.
NNE		1.	1.	1.	1.							1.	1.
NE												1.	1.
ENE			1.	1.	1.	1.						1.	1.
E		1.	1.	1.	1.							1.	1.
ESE												1.	1.
SE												1.	1.
SSE			1.	1.			1.					1.	1.
S		1.	1.	1.	1.	1.		1.				1.	1.
SSW			1.	1.	1.							1.	1.
SW			1.	1.	1.							1.	1.
WSW		1.	1.	1.	1.	1.	1.					1.	1.
W		1.	1.	1.	1.	1.	1.					1.	1.
WNW		1.										1.	1.
NW				1.								1.	1.
NNW				1.								1.	1.
VARBL													
CALM													
	1.	10.	16.	24.	17.	6.	9.	2.	3.			1.	1.

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS - L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS IN SET

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0
NNE	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0
NE	.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	1.0	1.0
ENE	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0	1.0
E	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	1.0	1.0
ESE	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
SE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
SSE	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
S	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
SSW	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
SW	.0	1.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
WSW	.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0
W	.0	1.0	.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	1.0
WNW	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NW	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NNW	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	1.0
VARBL													
CALM													
	2.0	17.0	21.0	24.0	11.0	13.0	2.0	2.0	.0			1.0	10.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L S T)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	.5	5.5	1.5							7.5	12.1
NNE		.5	7.5	1.5	1.5	1.5						7.5	12.1
NE			5.5	5.5	5.5	5.5	5.5	5.5				7.5	12.1
ENE		.5	1.5	1.5	1.5	1.5	5.5					1.5	12.1
E		5.5	5.5	5.5	1.5	5.5	5.5					7.5	12.1
ESE		.5	1.5			5.5						1.5	12.1
SE		.5	.5			5.5						1.5	12.1
SSE	.5	5.5	5.5	1.5		5.5						5.5	11.7
S	.5	1.5	5.5	5.5	1.5	1.5			5.5			5.5	12.7
SSW	.5	1.5	.5	.5	1.5	5.5						5.5	11.7
SW	.5		5.5	5.5	1.5		1.5					7.5	12.6
WSW	.5	1.5	5.5	5.5	1.5	5.5	5.5					1.5	12.5
W	.5	5.5	5.5	5.5	5.5	1.5		5.5	5.5			12.7	12.5
WNW		1.5	1.5	1.5	.5	5.5						4.5	11.4
NW	.5	.5		1.5		5.5						5.5	11.4
NNW		1.5	.5	1.5	.5	5.5						4.5	12.2
VARBL													
CALM												12.5	
	7.5	12.1	12.5	24.1	12.1	12.1	5.5	1.5	5.5			12.5	12.1

TOTAL NUMBER OF OBSERVATIONS 307

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE YEARS: 1951-1952

CLASS: ALL

CONDITION: ALL

STATION: 1111A MONTH: ALL HOURS: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	1.7	1.9	.0	.0	.1	.0				4.1	11.1
NNE	.0	1.1	1.7	2.0	2.3	.0	.0	.0	.0			5.6	11.1
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0			0.0	11.1
ENE	.1	.4	.0	2.0	1.6	.7	.0	.1	.0			1.1	11.1
E	.0	.0	1.4	2.1	.0	.0	.1	.1				.0	11.1
ESE	.0	.0	.0	.0	.0	.0	.0	.0				.0	11.1
SE	.1	.0	.0	.0	.0	.0	.0	.0				1.1	11.1
SSE	.0	.0	1.0	.0	.0	.0	.0	.1				2.4	11.1
S	.0	1.0	1.0	1.5	1.0	.0	.0	.4	.0			6.0	14.3
SSW	.0	.0	.0	1.0	.0	.0	.0	.1	.1			2.0	11.1
SW	1.1	.0	1.0	2.1	1.0	.0	.4	.0	.0			7.0	11.1
WSW	.0	1.0	1.0	2.0	1.0	1.1	.0	.0	.0			5.0	11.1
W	.0	1.0	1.0	2.0	1.0	1.0	.0	.0	.0			6.0	11.1
WNW	.0	1.0	1.0	2.0	.0	.0	.0	.1				5.0	11.1
NW	.0	.0	.0	1.0	.0	.1	.0					1.1	11.1
NNW	.0	.0	1.0	1.0	.0	.0	.0					4.0	11.1
VARBL													
CALM												.0	
	.0	10.0	17.1	24.0	17.4	0.0	4.1	2.1	.0			10.0	11.1

TOTAL NUMBER OF OBSERVATIONS 2123

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____
CLASS: _____
CONDITION: _____
MONTH: _____
HOURS: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	0.0	0.0	1.0	.0	.1	.0	.0	.0	.0	.0	11.2
NNE	.0	1.0	1.0	1.0	.0	.0	.0	.1	.0	.0	.0	7.0	12.0
NE	.0	.0	1.0	1.1	.4	.2	.1	.0	.0	.0	.0	4.0	11.4
ENE	.0	.0	1.4	1.0	.6	.3	.1	.0	.0	.0	.0	4.0	11.2
E	.0	1.1	1.1	1.0	.4	.5	.1	.0	.0	.0	.0	4.0	11.4
ESE	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.0	10.0
SE	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.0	10.2
SSE	.0	.0	1.0	.0	.0	.0	.1	.0	.0	.0	.0	3.0	11.0
S	.0	1.0	0.0	1.0	.4	.4	.1	.1	.0	.0	.0	7.0	11.0
SSW	.0	.0	1.1	1.0	.6	.4	.2	.1	.0	.0	.0	5.0	10.0
SW	.0	.0	1.0	2.0	1.4	1.0	.4	.2	.0	.0	.0	9.0	10.0
WSW	.0	1.0	2.0	3.0	1.8	1.0	.3	.1	.0	.0	.0	11.0	11.0
W	.0	1.0	2.0	3.0	1.8	1.0	.3	.1	.0	.0	.0	11.0	11.0
WNW	.0	.0	1.0	1.1	.4	.0	.1	.1	.0	.0	.0	3.0	12.0
NW	.0	.0	.0	1.0	.4	.0	.0	.0	.0	.0	.0	0.0	11.0
NNW	.0	.0	1.1	1.0	.4	.0	.1	.0	.0	.0	.0	4.0	12.0
VARBL													
CALM												5.0	
	.0	14.0	23.1	27.1	11.4	6.0	2.4	.0	.1	.0	.0	10.0	11.4

TOTAL NUMBER OF OBSERVATIONS: 112

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	ASHEVILLE, NC	STATION NAME	INSTRUMENT	CLASS	YEARS	ALL MONTH
CONDITION					HOURS (LST)	
SFC TO 1470 FT & VIS > 1/2 MI OR MORE,						
AND/OR VIS > 1/2 TO 2-1/2 MI & 010000 FT OR MORE						

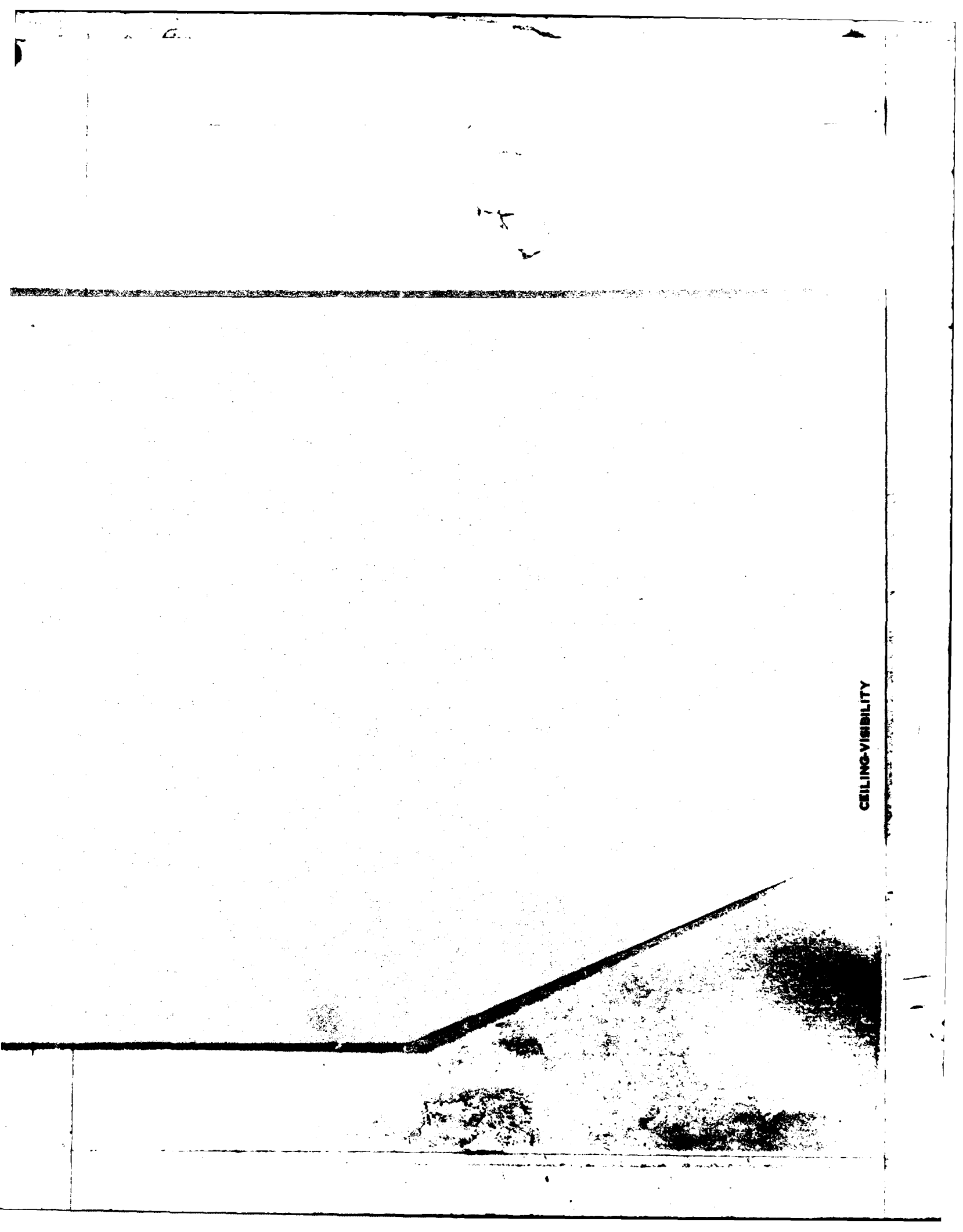
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	0.1	2.0	1.4	.0	.4	.0	.0	.0	.0	0.0	12.0
NNE	.0	1.7	0.0	1.0	.0	.7	.4	.2	.0	.0	.0	0.0	12.4
NE	.0	1.0	1.0	1.0	.0	.0	.0	.1	.0	.0	.0	0.0	12.0
ENE	.0	1.0	1.0	1.0	.0	.0	.2	.1	.0	.0	.0	0.0	12.0
E	.0	1.0	.0	1.0	.0	.4	.0	.1	.0	.0	.0	0.0	11.0
ESE	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	0.0	11.1
SE	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	0.0	12.0
SSE	.0	.0	1.0	1.4	.0	.0	.0	.1	.0	.0	.0	0.0	12.1
S	.0	1.0	1.0	2.1	.0	.0	.3	.2	.0	.0	.0	0.0	13.0
SSW	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	0.0	14.0
SW	.0	.0	1.0	3.0	1.0	1.1	.4	.2	.1	.0	.0	0.0	14.1
WSW	.0	1.0	2.0	5.0	2.4	1.0	.0	.1	.0	.0	.0	0.0	14.0
W	.0	1.0	2.1	2.0	1.0	1.0	.0	.1	.0	.0	.0	0.0	14.0
WNW	.0	.0	.0	.4	.4	.0	.1	.0	.0	.0	.0	0.0	14.0
NW	.0	.0	.0	.4	.0	.0	.1	.0	.0	.0	.0	0.0	14.0
NNW	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	0.0	14.0
VARBL													
CALM												4.0	
	.0	17.0	20.0	27.0	10.0	0.0	1.0	1.3	.0	.1	.0	100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

744

SMOS

CEILING-VISIBILITY



Waco, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to ceiling or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 1/4 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
1800																
1500																
1200																
1000																
800																
600																
400																
200																
100																
0																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from monthly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and day - all hours and all years combined.

2. By month - by standard 3-hour groups.

NOTE: 1. Sky cover (total cloud amount) was not reported by U.S. services until 11/1/41. Stations now available, were manned by Air Force stations beginning in 1946, but were not available to the Navy stations until 1948 or 1949. Weather bureau stations recorded total cloud amount by eye marks beginning sometime in 1946, but few stations have provided data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: 2. Some sources of punched data used for this summary report cloud amounts in tenths. These have been converted to tenths prior to summarizing, and notation is made in the report of any data that data were originally reported in sky cover number or number of cover lines observed.

05438	45438
0	
1	1
2	3
3	4
4	5
5	6
6	7
7	8
8 (or obscured)	9

NOTE: 3. Beginning in 1951 the amount of clear, scattered, broken, overcast, and obscured was reported for the total sky cover. Following are the conversions:

clear converted to 0.0
 scattered converted to 0.5
 broken converted to 0.5
 overcast converted to 1.0
 obscured converted to 0.5

NAVAL WEATHER SERVICE DATA REPORT FORM NO. 1-61

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .1
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DATA AVAILABLE TO DATE

NAVAL WEATHER SERVICE FORM NO. 10-1 (REV. 1-64)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF OBS.

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0
NO CEILING														
≥ 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

DATE AND TIME

CEILING VERS

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING											
≥ 20000											
IV 18000											
IV 16000											
IV 14000											
IV 12000											
IV 10000											
IV 9000											
IV 8000											
IV 7000											
IV 6000											
IV 5000											
IV 4500											
IV 4000											
IV 3500											
IV 3000											
IV 2500											
IV 2000											
IV 1800											
IV 1500											
IV 1200											
IV 1000											
IV 900											
IV 800											
IV 700											
IV 600											
IV 500											
IV 400											
IV 300											
IV 200											
IV 100											
IV 0											

TOTAL NUMBER OF OBS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7500																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL RECORD

NAVAL WEATHER SERVICE DETACHMENT, ARLH 0011, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 20000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 18000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 16000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 14000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 12000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 10000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 9000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 8000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 7000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 6000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1800	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1200	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 900	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 800	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 700	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 600	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 400	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 300	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 200	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 100	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET 5705

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

DATE

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS - L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
≥ 20000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 18000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 16000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 14000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 12000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 10000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 9000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 8000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 7000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 6000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 5000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 900	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 700	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 600	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 400	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 300	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 100	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 0	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
≥ 20000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 18000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 16000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 14000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 12000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 10000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 9000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 8000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 7000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 6000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 5000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 4500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 4000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 3500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 3000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 2500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 2000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 1800	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 1500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 1200	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 1000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 900	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 800	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 700	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 600	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 400	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 300	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 200	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 100	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 0	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 20000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 18000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 16000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 14000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 12000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 10000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 9000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 8000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 7000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 6000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 5000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 4500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 4000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 3500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 3000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 2500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 2000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 1800	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 1500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 1200	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 1000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 900	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 800	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 700	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 600	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 400	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 300	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 200	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 100	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 0	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7

TOTAL NUMBER OF OBSERVATIONS

7474

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, AVHILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAUCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 20000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 18000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 16000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 14000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 12000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 10000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 9000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 8000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 7000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 6000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 5000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 4500	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 4000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 3500	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 3000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 2500	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 2000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 1800	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 1500	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 1200	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 1000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 900	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 800	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 700	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 600	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 500	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 400	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 300	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 200	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 100	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 0	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET SMOS

NAVAL WEATHER SERVICE FORM 10-1 (REV. 1-64)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCE AND DATE

NAVAL WEATHER SERVICE DETACHMENT, ASHLEY, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING															
20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

DISPATCH CENTER

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ .	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
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2500															
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1800															
1600															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

FORM 1-1-10

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY, STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

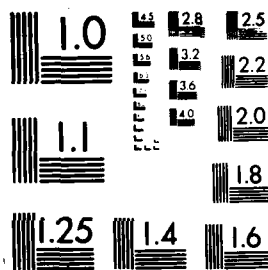
DATA SOURCE AND MET. STATION

UNCLASSIFIED

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
ADAK ALASKA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC AUG 84

NL

F/G 4/2



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

FEET

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	.4	13.1	13.1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
≥ 20000	.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
≥ 18000	.4	14.5	14.5	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
≥ 16000	.4	14.5	14.5	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
≥ 14000	.4	14.5	14.5	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
≥ 12000	.4	14.5	14.5	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
≥ 10000	.4	15.3	15.3	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
≥ 9000	.4	15.3	15.3	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
≥ 8000	.4	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
≥ 7000	.4	17.0	17.0	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥ 6000	.4	17.7	17.7	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
≥ 5000	.4	18.1	18.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
≥ 4500	.4	18.5	18.5	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
≥ 4000	.4	19.0	19.0	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
≥ 3500	.4	23.0	23.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
≥ 3000	.4	30.5	30.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 2500	.7	41.1	42.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 2000	.7	54.8	56.7	58.5	59.2	59.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 1800	.7	55.3	57.9	60.6	61.4	62.1	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 1500	.7	62.8	66.3	70.2	71.6	72.7	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1200	.7	64.5	69.9	75.9	78.7	80.1	81.9	82.6	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	.7	67.7	72.4	81.2	86.2	87.9	90.8	91.8	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 900	.7	67.7	73.4	81.6	86.5	88.3	91.5	92.6	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	.7	67.7	73.4	81.6	86.5	88.3	91.5	92.6	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	.7	68.1	73.3	82.3	87.2	89.4	92.9	94.7	94.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	.7	68.1	73.3	82.3	87.2	89.7	93.3	95.0	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	.7	68.1	73.3	82.6	87.6	90.1	94.0	95.7	95.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 400	.7	68.1	73.3	82.6	87.6	90.1	94.0	95.7	95.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 300	.7	68.1	74.1	83.0	87.9	90.4	94.7	96.5	96.5	98.2	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	.7	68.1	74.1	83.0	87.9	90.4	94.7	96.5	96.5	98.2	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	.7	68.1	74.1	83.0	87.9	90.4	94.7	96.5	96.5	98.2	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0	.7	68.1	74.1	83.0	87.9	90.4	94.7	96.5	96.5	98.2	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

252

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

15714

ADAM, AK

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.5	11.0	11.1	11.2	11.3	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
≥ 20000	2.7	11.5	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 18000	2.8	12.5	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 16000	2.8	12.6	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
IV 14000	2.8	12.7	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
IV 12000	2.9	12.8	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
IV 10000	3.0	13.5	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
IV 9000	3.1	13.6	13.7	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
IV 8000	3.2	14.4	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
IV 7000	3.4	15.8	16.0	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
IV 6000	3.6	16.3	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
IV 5000	4.0	17.0	17.2	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
IV 4500	4.3	17.7	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
IV 4000	4.7	21.0	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
IV 3500	5.5	25.9	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 3000	6.5	34.4	35.1	35.7	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
IV 2500	6.7	44.4	46.1	47.6	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 2000	7.1	56.7	59.4	62.2	63.1	63.5	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.2	64.2
IV 1800	7.2	58.3	61.7	64.4	65.3	65.8	66.3	66.5	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8
IV 1500	7.2	64.4	69.2	73.9	75.9	77.0	78.0	78.7	78.8	79.1	79.2	79.2	79.3	79.3	79.3	79.3
IV 1200	7.2	66.0	71.5	77.4	80.1	81.4	82.9	83.8	83.9	84.3	84.4	84.4	84.5	84.5	84.5	84.5
IV 1000	7.3	67.8	73.7	80.8	84.1	85.8	88.0	89.4	89.5	90.3	90.5	90.5	90.6	90.6	90.7	90.7
IV 900	7.3	67.9	73.9	80.8	84.5	86.2	88.6	90.2	90.7	91.2	91.4	91.4	91.5	91.5	91.6	91.6
IV 800	7.3	68.0	74.2	81.3	85.3	87.2	89.8	91.5	91.6	92.7	93.0	93.0	93.3	93.3	93.3	93.3
IV 700	7.3	68.3	74.5	81.8	86.2	88.0	90.7	92.5	92.6	93.9	94.2	94.2	94.5	94.5	94.5	94.5
IV 600	7.3	68.4	74.7	82.0	86.6	88.5	91.2	93.1	93.2	94.6	95.0	95.0	95.3	95.3	95.3	95.3
IV 500	7.3	68.4	74.8	82.2	87.0	88.9	91.8	93.9	94.0	96.3	96.5	96.5	96.9	97.0	97.1	97.1
IV 400	7.3	68.4	74.8	82.2	87.1	89.1	92.0	94.2	94.4	96.4	97.0	97.0	97.5	97.7	97.7	97.8
IV 300	7.3	68.4	74.8	82.3	87.2	89.1	92.2	94.5	94.6	96.8	97.6	97.6	98.2	98.3	98.5	98.6
IV 200	7.3	68.4	74.8	82.3	87.2	89.1	92.2	94.5	94.6	96.9	97.7	97.8	98.5	98.6	98.9	99.1
IV 100	7.3	68.4	74.8	82.3	87.2	89.1	92.2	94.5	94.6	96.9	97.7	97.8	98.9	98.9	99.3	99.6
IV 0	7.3	68.4	74.8	82.3	87.2	89.1	92.2	94.5	94.6	96.9	97.7	97.8	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2256

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

13-52

YEARS

MAC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 20000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 18000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 16000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 14000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 12000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 10000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 9000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 8000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 7000	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
IV 6000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 5000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 4500	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 4000	16.8	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 3500	19.7	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
IV 3000	27.4	27.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
IV 2500	38.4	41.0	41.9	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 2000	54.3	55.0	62.3	62.3	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 1800	65.0	68.7	63.9	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 1500	61.3	64.4	73.2	73.9	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 1200	63.2	71.0	75.4	80.7	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1000	64.5	72.9	81.0	83.6	84.2	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 900	65.2	73.6	81.9	85.2	86.5	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	65.5	73.9	83.2	86.8	88.1	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 700	65.8	74.5	84.8	88.7	90.0	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.5	95.5	95.5
IV 600	65.8	75.2	85.5	89.4	90.7	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	66.1	75.5	86.1	90.0	91.3	96.5	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.7	98.7	98.7
IV 400	66.1	75.5	86.1	90.0	91.3	96.8	97.7	97.7	97.7	98.1	98.4	98.4	98.4	99.0	99.0	99.0
IV 300	66.1	75.5	86.1	90.0	91.3	96.8	97.7	97.7	97.7	98.1	98.4	98.4	98.4	99.4	99.4	99.4
IV 200	66.1	75.5	86.1	90.0	91.3	96.8	97.7	97.7	97.7	98.1	98.4	98.4	98.4	99.4	99.4	99.4
IV 100	66.5	75.8	86.5	90.3	91.6	97.1	98.1	98.1	98.1	98.4	98.7	98.7	98.7	99.7	99.7	99.7
IV 0	66.5	75.8	86.5	90.3	91.6	97.1	98.1	98.1	98.1	98.4	98.7	98.7	98.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

25704

ADAY, AV

73-02

MAD

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DAY

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
≥ 20000		12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 18000		13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
IV 16000		13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
IV 14000		13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
IV 12000		13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
IV 10000		13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
IV 9000		14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 8000		14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 7000		15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
IV 6000		16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 5000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 4500		17.7	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
IV 4000		19.4	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	20.0	20.0	20.0	20.0	20.0
IV 3500		22.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.6	23.6	23.6	23.6	23.6
IV 3000		31.8	32.6	32.6	32.6	32.6	33.6	33.6	33.6	33.6	33.9	33.9	33.9	33.9	33.9
IV 2500		43.9	46.5	47.1	47.4	47.4	47.7	47.7	47.7	47.7	48.1	48.1	48.1	48.1	48.1
IV 2000		50.1	61.7	62.3	62.9	62.9	63.6	63.6	63.6	63.6	64.2	64.2	64.2	64.2	64.2
IV 1800		57.7	61.6	64.2	64.8	64.8	65.5	65.5	65.5	65.5	66.1	66.1	66.1	66.1	66.1
IV 1500		63.9	65.7	73.6	75.5	75.5	76.5	76.5	76.5	76.5	77.4	77.4	77.4	77.4	77.4
IV 1200		65.5	71.7	77.7	80.0	80.0	81.3	81.3	81.3	81.3	82.3	82.3	82.3	82.3	82.3
IV 1000		65.5	72.6	81.0	84.5	84.5	87.1	87.7	87.7	87.7	88.1	89.0	89.0	89.0	89.0
IV 900		65.5	73.2	81.6	85.2	85.2	87.7	88.4	88.4	88.4	89.3	90.3	90.3	90.3	90.3
IV 800		68.4	75.5	84.2	88.7	88.7	91.6	92.6	92.6	92.6	93.6	94.5	94.5	94.5	94.5
IV 700		63.7	75.8	85.2	89.7	89.7	93.2	94.2	94.2	94.2	95.2	96.1	96.1	96.1	96.1
IV 600		63.7	75.8	85.5	90.3	90.3	93.7	95.2	95.2	95.2	96.5	97.4	97.4	97.7	97.7
IV 500		66.7	75.8	85.5	90.3	90.3	93.9	95.5	95.5	95.5	97.1	98.1	98.1	98.4	98.4
IV 400		66.7	75.8	85.5	90.7	90.7	94.5	96.1	96.1	96.1	97.7	98.7	98.7	99.0	99.0
IV 300		68.7	75.8	85.5	90.7	90.7	94.5	96.1	96.1	96.1	98.1	99.0	99.0	99.7	99.7
IV 200		68.7	75.8	85.5	90.7	90.7	94.5	96.1	96.1	96.1	98.1	99.0	99.0	99.7	99.7
IV 100		68.7	75.8	85.5	90.7	90.7	94.5	96.1	96.1	96.1	98.1	99.0	99.0	99.7	99.7
IV 0		68.7	75.8	85.5	90.7	90.7	94.5	96.1	96.1	96.1	98.1	99.0	99.0	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

18774
STATIONADA, AK
STATION NAME73-32
YEARSMAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	1.3	6.4	6.4	6.8	6.9	6.8	6.9	6.3	6.2	6.8	6.8	6.8	6.8	6.8	6.8	6.4
≥ 20000	1.3	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 18000	1.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
≥ 16000	1.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
≥ 14000	1.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
≥ 12000	1.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
≥ 10000	1.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 9000	1.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 8000	2.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
≥ 7000	3.2	11.9	11.9	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 6000	3.2	13.2	13.2	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
≥ 5000	3.2	14.2	14.2	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
≥ 4500	3.2	15.2	15.2	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
≥ 4000	3.2	17.1	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥ 3500	4.7	24.2	24.2	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
≥ 3000	5.2	34.3	36.1	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 2500	6.9	43.6	46.5	47.1	47.4	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4
≥ 2000	7.1	55.8	59.7	61.9	63.6	63.9	64.5	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2
≥ 1800	7.1	58.1	62.9	64.5	67.1	67.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 1500	7.1	63.6	70.7	73.2	76.5	76.8	77.7	78.7	78.7	78.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200	7.1	65.5	73.6	77.1	80.3	80.7	81.9	82.9	82.9	82.9	84.8	85.2	85.2	85.2	85.2	85.2
≥ 1000	7.1	66.5	75.8	81.3	85.2	85.8	87.4	88.4	88.4	88.7	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	7.1	67.4	76.8	82.6	86.5	87.1	88.7	89.7	89.7	89.7	92.6	92.9	92.9	92.9	92.9	92.9
≥ 800	7.1	67.7	77.4	83.2	87.4	88.4	90.3	91.6	91.6	91.6	94.6	95.2	95.2	95.2	95.2	95.2
≥ 700	7.1	67.7	77.4	83.6	87.7	88.7	90.7	92.3	92.3	92.6	96.1	96.5	96.5	96.5	96.5	96.5
≥ 600	7.1	67.7	77.4	83.9	88.1	89.0	91.0	92.9	93.2	93.2	97.1	97.4	97.4	97.4	97.4	97.4
≥ 500	7.1	68.1	77.7	84.2	88.4	89.4	91.3	93.9	94.2	94.2	98.1	98.4	98.4	98.4	98.4	98.4
≥ 400	7.1	68.1	77.7	84.2	88.7	89.7	91.6	94.2	94.5	94.5	98.4	98.7	98.7	99.0	99.0	99.0
≥ 300	7.1	68.1	77.7	84.2	88.7	89.7	91.6	94.2	94.5	94.5	98.4	98.7	98.7	99.4	99.4	99.7
≥ 200	7.1	68.1	77.7	84.2	88.7	89.7	91.6	94.2	94.5	94.5	98.4	98.7	98.7	99.4	99.4	99.7
≥ 100	7.1	68.1	77.7	84.2	88.7	89.7	91.6	94.5	94.8	94.8	98.7	99.0	99.0	99.7	99.7	100.0
≥ 0	7.1	68.1	77.7	84.2	88.7	89.7	91.6	94.5	94.8	94.8	98.7	99.0	99.0	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2574

ATAV, AV

73-22

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.4	5.1	2.1	3.1	5.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
≥ 20000	3.6	8.7	8.7	6.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 18000	4.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
IV 16000	4.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
IV 14000	4.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
IV 12000	4.5	10.4	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 10000	4.5	10.7	10.7	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
IV 9000	4.5	11.3	11.3	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 8000	5.5	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 7000	5.5	13.3	13.3	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
IV 6000	5.5	13.9	13.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 5000	5.5	16.2	16.2	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 4500	6.5	17.2	17.2	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
IV 4000	7.1	17.5	17.5	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
IV 3500	7.8	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 3000	10.4	37.2	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 2500	11.3	45.3	48.9	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.2	50.2	50.2
IV 2000	12.3	58.6	62.5	64.8	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.7
IV 1800	12.3	61.5	66.3	68.6	69.9	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.9	70.9	71.2
IV 1500	12.3	65.4	71.5	74.6	77.7	78.0	79.0	79.0	79.0	79.0	79.6	79.6	79.6	80.3	80.3	80.6
IV 1200	12.3	67.3	73.6	77.4	80.6	80.9	82.2	82.5	82.9	83.6	83.8	83.8	84.5	84.5	84.5	84.9
IV 1000	12.3	67.3	75.1	79.0	82.9	83.8	86.1	86.4	86.7	88.0	88.0	88.0	88.7	88.7	88.7	89.0
IV 900	12.3	68.1	75.7	80.3	84.5	85.4	87.7	88.4	88.7	90.0	90.0	90.0	90.6	90.6	90.6	90.9
IV 800	12.3	68.3	75.1	80.6	85.1	86.7	89.3	90.0	90.3	91.6	91.6	91.6	92.6	92.6	92.6	92.9
IV 700	12.3	68.6	76.4	80.9	85.4	87.1	90.0	90.6	91.7	92.6	92.6	92.6	93.5	93.5	93.5	93.9
IV 600	12.3	68.6	76.4	80.9	85.4	87.4	90.3	91.6	92.7	94.2	94.2	94.2	95.8	95.8	95.8	96.1
IV 500	12.3	68.9	77.4	81.9	86.7	88.7	91.9	93.5	94.2	97.1	97.1	97.1	98.7	98.7	98.7	99.0
IV 400	12.3	68.9	77.4	81.9	86.7	88.7	91.9	93.5	94.2	97.1	97.1	97.1	98.7	98.7	98.7	99.0
IV 300	12.3	68.9	77.4	81.9	86.7	88.7	91.9	93.5	94.2	97.1	97.1	97.1	99.0	99.0	99.0	99.0
IV 200	12.3	68.9	77.4	81.9	86.7	88.7	91.9	93.5	94.2	97.1	97.1	97.1	99.0	99.0	99.0	99.0
IV 100	12.3	68.9	77.4	81.9	86.7	88.7	91.9	93.5	94.2	97.1	97.1	97.1	99.0	99.0	99.0	99.0
IV 0	12.3	68.9	77.4	81.9	86.7	88.7	91.9	93.5	94.2	97.1	97.1	97.1	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
05734

ADAP, AK

STATION NAME

73-02

YEARS

MAG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.3	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
≥ 20000	2.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
IV 18000	2.9	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 16000	2.5	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 14000	3.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 12000	2.8	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
IV 10000	4.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 9000	4.9	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
IV 8000	5.5	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 7000	6.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
IV 6000	6.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
IV 5000	6.8	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 4500	7.1	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
IV 4000	6.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
IV 3500	9.4	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
IV 3000	12.3	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 2500	13.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 2000	14.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1800	14.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1500	14.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 1200	14.5	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 1000	14.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 900	14.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 800	14.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 700	14.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 600	14.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 500	14.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 400	14.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 300	14.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 200	14.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 100	14.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 0	14.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0

TOTAL NUMBER OF OBSERVATIONS 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-12

YEARS

MONTH

16

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 20000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 10000	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 9000	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
IV 8000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
IV 7000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 6000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 5000	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
IV 4500	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
IV 4000	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
IV 3500	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
IV 3000	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
IV 2500	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 2000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 1800	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 1500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 1200	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 1000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 900	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 800	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 700	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 600	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 400	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 300	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 200	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 100	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
2-7-4

DATE, AM

STATION NAME

72-42

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	5.8	9.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 20000	1.7	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
IV 18000	2.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 16000	2.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 14000	3.5	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 12000	2.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
IV 10000	3.5	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
IV 9000	2.6	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
IV 8000	5.8	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
IV 7000	5.8	14.8	14.8	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
IV 6000	5.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 5000	6.5	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 4500	6.5	16.5	16.5	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 4000	7.7	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
IV 3500	7.7	23.8	24.2	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
IV 3000	11.0	32.8	33.2	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 2500	11.0	44.5	46.5	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 2000	12.4	52.8	55.2	57.4	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 1800	12.4	55.2	58.4	61.0	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 1500	12.4	61.0	66.1	71.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1200	12.4	61.0	67.7	73.2	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1000	12.4	62.9	69.4	73.2	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 900	12.4	62.9	69.4	73.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 800	12.4	63.2	70.7	74.2	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 700	12.4	63.2	70.7	74.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 600	12.4	63.2	70.7	74.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 500	12.4	63.2	70.7	74.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 400	12.4	63.2	70.7	74.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 300	12.4	63.2	70.7	74.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 200	12.4	63.2	70.7	74.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 100	12.4	63.2	70.7	74.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 0	12.4	63.2	70.7	74.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DATE, DAY

STATION NAME

73-12

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)72
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
≥ 20000	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
IV 18000	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 16000	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 14000	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 12000	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 10000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 9000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 8000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 7000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 6000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 5000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 4500	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 4000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 3500	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 3000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 2500	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 2000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1800	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1500	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1200	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1000	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 900	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 800	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 700	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 600	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 500	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 400	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 300	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 200	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 100	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 0	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)4LL
HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.4	7.4	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 20000	1.4	8.4	7.4	6.4	5.4	8.4	6.4	5.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
IV 18000	7.1	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
IV 16000	7.1	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
IV 14000	7.1	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
IV 12000	7.1	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
IV 10000	7.1	10.4	10.7	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 9000	7.1	10.7	10.7	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 8000	7.1	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
IV 7000	7.1	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
IV 6000	7.1	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 5000	7.1	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 4500	7.1	15.4	15.7	16.0	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
IV 4000	7.1	17.9	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
IV 3500	7.1	22.4	22.7	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
IV 3000	7.1	22.4	22.7	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
IV 2500	7.1	44.7	45.3	47.2	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 2000	7.1	56.0	57.4	61.8	62.6	62.7	63.1	63.2	63.7	63.5	67.7	63.7	63.7	63.7	63.7	63.7
IV 1800	7.1	56.0	62.7	65.0	66.2	66.3	66.8	65.9	66.9	67.3	67.4	67.4	67.4	67.4	67.4	67.4
IV 1500	7.1	56.0	65.7	74.2	75.4	76.7	77.7	77.9	77.9	78.7	78.9	78.9	78.9	78.9	78.9	78.9
IV 1200	7.1	65.4	71.4	77.6	78.4	78.4	82.4	82.7	82.9	83.7	83.9	83.9	83.9	83.9	83.9	83.9
IV 1000	7.1	65.4	73.9	81.3	84.7	85.4	87.8	88.4	87.5	89.7	88.9	89.9	89.9	89.9	89.9	89.9
IV 900	7.1	67.1	74.4	81.9	85.6	86.6	88.8	89.6	89.6	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	7.1	67.1	75.7	83.1	87.2	88.3	91.9	91.9	91.9	93.4	93.7	93.7	93.7	93.7	93.7	93.7
IV 700	7.1	68.1	75.8	83.8	88.7	89.1	91.9	92.9	93.1	96.7	94.9	95.0	95.0	95.0	95.0	95.0
IV 600	7.1	68.1	75.7	84.1	89.3	89.4	92.5	93.9	94.1	95.9	96.2	96.3	96.3	96.3	96.3	96.3
IV 500	7.1	68.1	75.9	84.4	89.7	89.9	93.1	94.6	94.6	97.1	97.5	97.5	97.5	97.5	97.5	97.5
IV 400	7.1	68.1	75.7	84.4	88.5	89.9	93.2	94.8	95.7	97.2	97.7	97.8	97.8	97.8	97.8	97.8
IV 300	7.1	68.2	75.9	84.4	89.8	89.9	93.2	94.8	95.7	97.5	98.4	98.0	98.0	98.0	98.0	98.0
IV 200	7.1	68.3	75.9	84.4	89.9	89.9	93.2	94.8	95.7	97.5	98.0	98.1	98.1	98.1	98.1	98.1
IV 100	7.1	68.3	75.9	84.4	89.8	89.9	93.3	94.9	95.1	97.7	98.1	98.2	98.2	98.2	98.2	98.2
IV 0	7.1	68.3	75.7	84.4	89.8	89.9	93.3	94.9	95.1	97.7	98.1	98.2	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

7477

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 5000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 4500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 4000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 3500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 3000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 2500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 2000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 1800	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 1500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 1200	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 1000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 900	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 800	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 700	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 600	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 400	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 300	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 200	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 0	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PD

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
≥ 20000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 18000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 16000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 14000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 12000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 10000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 9000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 8000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 7000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 6000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 5000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 4500	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 4000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 3500	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 3000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 2500	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 2000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 1800	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 1500	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 1200	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 1000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 900	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 800	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 700	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 600	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 500	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 400	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 300	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 200	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 100	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3

TOTAL NUMBER OF OBSERVATIONS

7.3

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME MONTH YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 20000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 18000	5.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 16000	5.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 14000	5.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 12000	5.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 10000	5.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 9000	5.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 8000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 7000	4.3	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 6000	4.3	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
IV 5000	4.3	17.0	17.0	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 4500	4.3	13.0	17.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
IV 4000	5.7	15.7	15.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 3500	5.7	15.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 3000	5.7	20.7	30.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV 2500	15.7	42.7	42.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 2000	12.3	15.3	57.7	65.7	62.0	62.7	63.7	63.0	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7
IV 1800	12.3	56.7	67.0	63.3	64.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1500	13.3	64.0	65.7	71.0	73.0	73.7	79.3	79.7	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7
IV 1200	13.3	66.7	72.3	72.0	83.0	84.0	84.7	85.0	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1000	13.3	69.3	75.3	83.0	87.3	88.3	90.0	90.7	90.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7
IV 900	15.7	70.7	76.0	84.3	86.3	89.3	91.0	92.0	92.0	93.3	93.7	93.7	93.7	94.0	94.0	94.0
IV 800	15.7	70.3	70.7	84.7	89.7	90.3	92.3	93.3	93.3	94.7	95.0	95.0	95.0	95.3	95.3	95.7
IV 700	15.7	70.3	76.7	84.7	89.7	90.7	92.3	93.3	93.3	94.7	95.7	95.3	95.7	95.7	95.7	95.7
IV 600	15.7	70.7	77.0	85.0	89.3	90.7	93.7	95.0	95.0	97.7	97.7	97.7	98.0	98.0	98.0	98.0
IV 500	13.3	70.7	77.0	85.0	89.3	90.7	93.0	95.0	95.0	97.3	98.0	98.0	98.0	98.7	98.7	98.7
IV 400	13.3	70.7	77.0	85.0	90.0	91.3	93.7	95.7	95.7	96.0	96.7	96.7	96.7	99.3	99.3	99.3
IV 300	15.7	70.7	77.0	85.0	90.0	91.3	93.7	95.7	95.7	98.0	98.7	98.7	98.7	99.3	99.3	99.7
IV 200	15.7	70.7	77.0	85.0	90.0	91.3	93.7	95.7	95.7	98.0	98.7	98.7	98.7	99.7	99.7	100.0
IV 100	15.7	70.7	77.0	85.0	90.0	91.3	93.7	95.7	95.7	98.0	98.7	98.7	98.7	99.7	99.7	100.0
IV 0	15.7	70.7	77.0	85.0	90.0	91.3	93.7	95.7	95.7	98.0	98.7	98.7	98.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS 11 5 T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	4.7	4.7	4.0	4.0	4.7	4.7	4.0	4.0	4.7	4.7	4.0	4.0	4.7	4.7	4.7
≥ 20000	2.7	4.7	4.7	4.0	4.0	4.7	4.7	4.0	4.0	4.7	4.7	4.0	4.0	4.7	4.7	4.7
IV 18000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 16000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 14000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 12000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 10000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 9000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 8000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 7000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 6000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 5000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 4500	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 4000	2.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 3500	11.0	23.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 3000	11.0	23.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 2500	14.7	40.7	41.7	42.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 2000	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1800	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1500	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1200	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1000	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 900	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 800	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 700	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 600	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 500	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 400	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 300	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 200	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 100	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 0	15.7	45.7	46.7	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 2774 STATION NAME AFB, AV 77-00 YEARS 195 MONTH 13 HOURS 15.5

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
≥ 20000	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
IV 18000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 16000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 14000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 12000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 10000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 9000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 8000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 7000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 6000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 5000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 4500	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 4000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 3500	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 3000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 2500	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 2000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 1800	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 1500	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 1200	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 1000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 900	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 800	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 700	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 600	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 500	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 400	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 300	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 200	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 100	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 0	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3

TOTAL NUMBER OF OBSERVATIONS 200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

77-1

YEARS

1954

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	3.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
≥ 20000	2.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
IV 18000	4.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
IV 16000	4.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
IV 14000	4.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
IV 12000	4.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
IV 10000	4.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
IV 9000	4.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
IV 8000	4.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 7000	5.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
IV 6000	5.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
IV 5000	5.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
IV 4500	6.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
IV 4000	7.3	13.3	13.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
IV 3500	10.3	23.3	23.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
IV 3000	13.3	31.3	31.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV 2500	15.3	43.3	44.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 2000	15.3	53.3	55.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1800	15.3	57.3	59.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1500	15.3	65.3	71.3	77.3	79.3	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1200	15.3	67.3	73.3	80.3	82.3	83.3	83.3	83.3	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1000	15.3	69.3	75.3	84.3	87.3	88.3	89.3	89.3	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 900	15.3	70.3	76.3	85.3	88.3	89.3	91.3	91.3	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 800	15.3	70.3	77.3	86.3	90.3	91.3	92.3	93.3	93.3	93.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	15.3	70.3	77.3	86.3	90.3	91.3	92.3	94.3	94.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	15.3	70.3	77.3	86.3	91.3	92.3	93.3	94.3	95.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	15.3	70.3	77.3	87.3	91.3	92.3	93.3	95.3	95.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	15.3	70.3	77.3	87.3	91.3	92.3	93.3	95.3	95.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	15.3	70.3	77.3	87.3	91.3	92.3	93.3	95.3	95.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	15.3	70.3	77.3	87.3	91.3	92.3	93.3	95.3	95.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	15.3	70.3	77.3	87.3	91.3	92.3	93.3	95.3	95.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	15.3	70.3	77.3	87.3	91.3	92.3	93.3	95.3	95.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

AF 4-1, 47

73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.3	3.7	3.3	2.0	3.0	3.0	7.0	3.0	3.0	3.0	3.3	3.0	7.0	3.0	3.0	3.0
≥ 20000	0.3	3.7	3.3	2.3	3.3	3.3	7.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.3
IV 18000	2.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 16000	2.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 14000	2.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 12000	2.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 10000	2.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 9000	2.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 8000	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 7000	5.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 6000	5.3	6.7	6.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 5000	5.3	10.7	10.7	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
IV 4500	5.7	11.7	11.3	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4000	5.7	12.3	12.3	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 3500	10.7	21.3	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
IV 3000	10.7	29.7	30.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
IV 2500	10.7	41.0	42.3	43.7	43.7	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 2000	10.7	55.0	57.0	55.3	59.3	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.7	60.7
IV 1800	10.7	68.0	67.7	63.0	63.3	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.7	64.7
IV 1500	10.7	65.0	69.3	75.3	76.0	77.0	78.0	78.3	78.3	79.0	79.0	79.0	79.3	79.3	79.3	79.3
IV 1200	10.7	66.7	71.3	78.7	80.0	81.3	82.7	83.0	83.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3
IV 1000	10.7	68.7	73.3	81.7	83.7	85.7	87.0	88.3	88.3	90.0	90.0	90.0	90.3	90.3	90.3	90.3
IV 900	10.7	68.3	73.3	82.7	84.7	86.7	87.3	88.7	88.7	90.3	90.3	90.3	90.3	90.7	90.7	90.7
IV 800	10.7	68.0	73.3	82.7	85.0	87.3	90.3	92.0	92.0	93.7	93.7	94.0	94.0	94.0	94.0	94.0
IV 700	10.7	68.0	73.3	82.7	85.3	87.7	90.7	93.0	93.0	95.0	95.0	95.0	95.3	95.3	95.7	95.7
IV 600	10.7	68.0	73.7	83.0	85.7	88.0	91.0	93.3	93.3	95.3	95.3	95.3	95.7	95.7	96.0	96.0
IV 500	10.7	68.7	74.3	84.0	86.7	89.0	92.3	95.0	95.0	97.3	97.3	97.3	97.3	97.3	98.0	98.3
IV 400	10.7	68.7	74.3	84.0	86.7	89.0	92.7	95.3	95.3	97.7	97.7	98.0	98.0	98.0	99.0	99.3
IV 300	10.7	68.7	74.3	84.0	86.7	89.0	92.7	95.7	95.7	98.0	98.3	98.3	98.3	99.3	99.3	100.0
IV 200	10.7	68.7	74.3	84.0	86.7	89.0	92.7	95.7	95.7	98.0	98.3	98.3	98.3	99.3	99.3	100.0
IV 100	10.7	68.7	74.3	84.0	86.7	89.0	92.7	95.7	95.7	98.0	98.3	98.3	98.3	99.3	99.3	100.0
IV 0	10.7	68.7	74.3	84.0	86.7	89.0	92.7	95.7	95.7	98.0	98.3	98.3	98.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

730

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1952

YEARS

EPA

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)72
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		8.7	10.0	8.0	9.0	8.0	9.0	7.0	8.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0
≥ 20000		8.7	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
IV 18000		8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 16000		8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 14000		8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 12000		8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 10000		8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 9000		8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 8000		8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 7000		11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
IV 6000		11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
IV 5000		11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
IV 4500		13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
IV 4000		15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 3500		22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
IV 3000		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 2500		40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 2000		56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 1800		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 1500		67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1200		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 1000		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 900		87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 800		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 700		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 600		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 500		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 400		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)A.L.L.
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	1.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
≥ 20000	1.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 18000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 16000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 14000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 12000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 10000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 9000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 8000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 7000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 6000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 5000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 4500	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 4000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 3500	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 3000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 2500	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 2000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1800	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1500	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1200	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1000	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 900	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 800	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 700	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 600	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 500	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 400	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 300	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 200	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 100	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 0	2.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

TOTAL NUMBER OF OBSERVATIONS

2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)31
HOURS I L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 20000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 18000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 16000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 14000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 12000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 10000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 9000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 8000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 7000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 6000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 5000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 4500		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 4000		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 3500		15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
IV 3000		22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
IV 2500		35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 2000		54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 1800		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 1500		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 1200		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1000		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 800		94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 700		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 600		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

31

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-12

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS - L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
≥ 20000		2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
IV 18000		3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 16000		3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 14000		3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 12000		3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 10000		3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
IV 9000		3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
IV 8000		3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
IV 7000		4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
IV 6000		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 5000		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 4500		6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
IV 4000		6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 3500		11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3000		21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
IV 2500		32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
IV 2000		43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
IV 1800		53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 1500		64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 1200		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 900		73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 800		74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 700		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 600		76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 500		76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 400		76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 300		75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 200		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 100		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 0		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8

TOTAL NUMBER OF OBSERVATIONS

214

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 00014 NAME, A- STATION NAME 15-17 YEARS MONTH 12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77
HOURS PER YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
≥ 20000	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
IV 18000	1.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 16000	1.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 14000	1.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 12000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 10000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 9000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 8000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 7000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 6000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 5000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 4500	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 4000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 3500	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 3000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 2500	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 2000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 1800	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 1500	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 1200	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 1000	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 900	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 800	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 700	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 600	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 500	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 400	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 300	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 200	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 100	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IV 0	1.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.1	3.4	3.2	2.1	1.3	3.3	2.7	2.1	1.4	1.4	1.7	2.1	2.1	2.1	2.1	1.1
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

OPNAV OCEANMET SMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING	1.7	3.7	7.4	11.1	14.8	18.5	22.2	25.9	29.6	33.3	37.0	40.7	44.4	48.1	51.8
IV 20000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 18000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 16000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 14000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 12000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 10000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 9000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 8000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 7000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 6000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 5000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 4500	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 4000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 3500	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 3000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 2500	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 2000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 1800	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 1500	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 1200	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 1000	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 900	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 800	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 700	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 600	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 500	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 400	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 300	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 200	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 100	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 0	1.7	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8

TOTAL NUMBER OF OBSERVATIONS 209

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS - L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥ 18000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 16000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 14000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 12000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 10000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 9000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 8000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 7000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 6000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 5000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 4500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 4000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 3500	4.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0
≥ 3000	4.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0
≥ 2500	1.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥ 2000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 900	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 700	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 600	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 400	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 300	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 100	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2476

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ARL VILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

25
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 20000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 18000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 16000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 14000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 12000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 10000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 9000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 8000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 7000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 6000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 900	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 700	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 600	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 400	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 20000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 18000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 16000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 14000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 12000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 10000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 9000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 8000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 7000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 6000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 5000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 4500	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 4000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 3500	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 3000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 2500	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 2000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 1800	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 1500	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 1200	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 1000	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 900	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 800	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 700	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 600	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 500	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 400	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 300	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 200	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 100	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
IV 0	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ANNEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	3.0	7.7	7.7	7.7	3.0	5.0	1.0	1.0	3.0	1.0	3.0	3.0	3.0	3.0	7.0
≥ 20000	1.7	3.0	7.7	7.7	7.7	3.0	5.0	1.0	1.0	3.0	1.0	3.0	3.0	3.0	3.0	7.0
IV 18000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 16000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 14000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 12000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 10000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 9000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 8000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 7000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 6000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 5000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 4500	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 4000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 3500	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 3000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 2500	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 2000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1800	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1500	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1200	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1000	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 900	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 800	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 700	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 600	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 500	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 400	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 300	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 200	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 100	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 0	7.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

TOTAL NUMBER OF OBSERVATIONS

376

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	5.7	7.7	5.7	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 20000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 18000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 16000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 14000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 12000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 10000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 9000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 8000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 7000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 6000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 5000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4500	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3500	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2500	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1800	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1500	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1200	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1000	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 900	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 800	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 700	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 600	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 500	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 400	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 300	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 200	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 100	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 0	1.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ARL-111111-1111

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 20000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 18000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 16000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 14000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 12000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 10000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 9000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 8000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 7000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 6000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 900	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 700	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 600	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 400	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

EAST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1 G
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 20000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 18000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 16000	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 14000	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 9000	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 8000	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 7000	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
IV 6000	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
IV 5000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3500	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 3000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 2500	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
IV 2000	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 1800	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 1500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 1200	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 1000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 900	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 700	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 600	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVY WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING
≥ 20000
IV 18000
IV 16000
IV 14000
IV 12000
IV 10000
IV 9000
IV 8000
IV 7000
IV 6000
IV 5000
IV 4500
IV 4000
IV 3500
IV 3000
IV 2500
IV 2000
IV 1800
IV 1500
IV 1200
IV 1000
IV 900
IV 800
IV 700
IV 600
IV 500
IV 400
IV 300
IV 200
IV 100
IV 0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 20000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 18000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 16000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 14000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 12000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 10000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 9000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 8000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 7000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 6000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 5000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 4500	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 4000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 3500	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 3000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 2500	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 2000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 1800	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 1500	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 1200	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 1000	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 900	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 800	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 700	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 600	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 500	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 400	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 300	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 200	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 100	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0
IV 0	1.0	7.4	7.5	1.7	5.7	5.7	7.0	7.5	7.5	1.0	7.0	7.0	1.0	7.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NATIONAL WEATHER SERVICE STATION NAME

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

21

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ANNEVILLE, MD

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
≥ 20000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 18000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 16000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 14000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 12000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 10000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 9000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 8000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 7000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 6000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 5000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 4500	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 4000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 3500	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 3000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 2500	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 2000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 1800	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 1500	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 1200	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 1000	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 900	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 800	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 700	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 600	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 500	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 400	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 300	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 200	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 100	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
IV IV 0	1.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVCEANDET 5705

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS 11

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
≥ 20000	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 18000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 16000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 14000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 12000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 10000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 9000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 8000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 7000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 6000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 5000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 900	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 700	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 600	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 400	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 300	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 100	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 0	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7

TOTAL NUMBER OF OBSERVATIONS

210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
≥ 20000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 18000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 16000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 14000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 12000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 10000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 9000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 8000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 7000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 6000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 5000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 4500	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 4000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 3500	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 3000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 2500	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 2000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 1800	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 1500	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 1200	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 1000	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 900	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 800	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 700	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 600	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 500	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 400	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 300	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 200	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 100	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
IV 0	2.2	2.1	2.1	2.4	2.6	2.4	2.3	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHLEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS 11 57

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	2.7	3.4	3.4	4.6	5.7	5.7	7.9	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 20000	2.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
IV 18000	2.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 16000	2.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 14000	2.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 12000	2.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 10000	2.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 9000	3.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 8000	3.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 7000	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 6000	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 5000	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4500	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4000	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3500	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3000	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2500	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2000	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1800	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1500	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1200	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1000	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 900	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 800	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 700	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 600	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 500	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 400	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 300	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 200	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 100	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 0	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

TOTAL NUMBER OF OBSERVATIONS

210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS IN YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
≥ 20000	7.7	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 18000	7.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 16000	7.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 14000	7.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 12000	7.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 10000	7.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
IV 9000	7.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
IV 8000	7.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 7000	7.7	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
IV 6000	7.7	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
IV 5000	7.7	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
IV 4500	7.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 4000	7.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 3500	7.7	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 3000	7.7	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
IV 2500	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 2000	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 1800	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 1500	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 1200	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 1000	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 900	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 800	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 700	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 600	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 500	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 400	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 300	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 200	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 100	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 0	7.7	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2

TOTAL NUMBER OF OBSERVATIONS

717

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

PERIOD

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 20000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 18000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
≥ 16000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
≥ 14000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
≥ 12000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
≥ 10000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 9000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 8000	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
≥ 7000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 6000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
≥ 5000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
≥ 4500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
≥ 4000	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
≥ 3500	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
≥ 3000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
≥ 2500	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
≥ 2000	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 1800	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 1500	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 1200	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 1000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 900	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 800	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 700	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 600	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 400	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2475

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8
IV 20000	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9
IV 18000	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0
IV 16000	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1
IV 14000	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2
IV 12000	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3
IV 10000	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4
IV 9000	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5
IV 8000	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6
IV 7000	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7
IV 6000	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8
IV 5000	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9
IV 4500	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0
IV 4000	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1
IV 3500	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2
IV 3000	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3
IV 2500	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4
IV 2000	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
IV 1800	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6
IV 1500	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7
IV 1200	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8
IV 1000	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
IV 900	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
IV 800	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1
IV 700	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
IV 600	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3
IV 500	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
IV 400	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5
IV 300	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6
IV 200	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7
IV 100	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
IV 0	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		4.5	1.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
≥ 20000		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 18000		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 16000		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 14000		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 12000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 10000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 9000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 8000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 7000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 6000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 5000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 4500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 4000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 3500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 3000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 2500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 2000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 1800	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 1500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 1200	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 1000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 900	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 800	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 700	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 600	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 400	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 300	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 200	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 100	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAUCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 16000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 14000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 12000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 10000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 9000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 8000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 7000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 6000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 900	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 700	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 300	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 100	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 11

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

MONTH

YEARS

STATION NAME

GROUP

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
≥ 20000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 18000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 16000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 14000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 12000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 10000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 9000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 8000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 7000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 6000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 5000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 4500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 4000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 3500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 3000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 2500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 2000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 1800	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 1500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 1200	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 1000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 900	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 800	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 700	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 600	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 400	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 300	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 200	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 100	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, APO FUELO, FM

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 20000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 18000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 16000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 14000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 12000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 10000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 9000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 8000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 7000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 6000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 5000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 4500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 4000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 3500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 3000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 2500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 2000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 1800	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 1500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 1200	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 1000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 900	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 800	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 700	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 600	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 400	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 300	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 200	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 100	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
IV 0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5MDS

NO. 1 WEATHER SERVICE DETACHMENT, WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

CURTAINANCE MET

NAVAL WEATHER SERVICE DETACHMENT AGULHAS DAS NEVES

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORPH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5705

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVEILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	2.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 20000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 18000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 16000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 14000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 12000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 10000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 9000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 8000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 7000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 6000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 5000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 4500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 4000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 3500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 3000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 2500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 2000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 1800	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 1500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 1200	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 1000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 900	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 800	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 700	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 600	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 400	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 300	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 200	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 100	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 0	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1

TOTAL NUMBER OF OBSERVATIONS

147

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT WAREVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
≥ 20000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 18000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 16000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 14000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 12000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 10000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 9000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 8000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 7000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 6000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 5000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 4500	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 4000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 3500	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 3000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 2500	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 2000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 1800	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 1500	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 1200	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 1000	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 900	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 800	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 700	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 600	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 500	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 400	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 300	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 200	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 100	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
IV 0	1.7	12.7	15.7	17.7	17.7	12.7	17.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7

TOTAL NUMBER OF OBSERVATIONS

2000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 15 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 20000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
18000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
16000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
14000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
12000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
9000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
8000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
6000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
4500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
4000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
3000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
900	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
700	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
600	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
400	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	5.7	4.7	3.7	2.7	1.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 16000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 14000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 12000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 10000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 9000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 8000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
IV 7000	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
IV 6000	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
IV 5000	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
IV 4500	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 4000	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 3500	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 3000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 1800	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

7.0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 276

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 20000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 18000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 16000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 14000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 12000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 10000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 9000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 8000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 7000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 6000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 900	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 700	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 600	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 400	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS 3 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS - 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
≥ 20000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 18000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 16000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 14000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 12000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 10000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 9000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 8000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 7000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 6000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 5000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 900	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 700	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 600	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 400	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 300	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 100	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 0	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7

TOTAL NUMBER OF OBSERVATIONS

151

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE ATTACHMENT W. REPORTING

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ARLIEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	10.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 20000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	17.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, A. HEBBIE, IN

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 20000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 18000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 16000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 14000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 12000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 10000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 9000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 8000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 7000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 6000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 5000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 4500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 4000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 3500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 3000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 2500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 2000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1800	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1200	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 900	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 800	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 700	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 600	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 400	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 300	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 200	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 100	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVJCEANMET 5MOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. 1

CEILING FEET	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20
NO CEILING														
IV 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

DIRECTOR GENERAL

NAVAL WEATHER SERVICE DETACHMENT A, BEVERLY, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

71

DIPVAOCEANMET 0405

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
≥ 20000	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
18000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
16000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
14000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
12000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
10000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
9000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
8000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
7000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
6000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
5000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
4500	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
4000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
3500	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
3000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
2500	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
2000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
1800	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
1500	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
1700	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
1000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
900	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
800	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
700	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
600	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
500	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
400	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
300	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
200	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
100	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1

TOTAL NUMBER OF OBSERVATIONS

21

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE 1 S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

211

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHLEIGH, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY T. & T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 20000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 18000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 16000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 14000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 12000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 10000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 9000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 8000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 7000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 6000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 5000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 4500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 4000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 3500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 3000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 2500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 2000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1800	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1200	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 900	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 800	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 700	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 600	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 400	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 300	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 200	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 100	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6.1
HOURS 1.5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
≥ 20000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
18000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
16000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
14000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
12000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
10000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
9000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
8000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
7000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
6000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
5000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
4500	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
4000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
3500	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
3000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
2500	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
2000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
1800	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
1500	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
1200	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
1000	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
900	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
800	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
700	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
600	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
500	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
400	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
300	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
200	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
100	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
0	1.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1

TOTAL NUMBER OF OBSERVATIONS

24

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

71
HOURS PER YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 20000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 18000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 16000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 14000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 12000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 10000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 9000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 8000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 7000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 6000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 5000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 4500		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 4000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 3500		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 3000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 2500		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 2000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1800		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1500		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1200		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1000		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 900		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 800		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 700		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 600		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 500		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 400		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 300		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 200		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 100		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 0		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DIRECTION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 20000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 18000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 16000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 14000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 12000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 10000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 9000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 8000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 7000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 6000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 5000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 4500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 4000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 3500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 3000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 2500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 2000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 1800	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 1500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 1200	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 1000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 900	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 800	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 700	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 600	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 400	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 300	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 200	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 0	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHESVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥ 20000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 18000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 16000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 14000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 12000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 10000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 9000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 8000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 7000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 6000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 5000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 4500		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 4000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 3500		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 3000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 2500		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 2000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 1800		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 1500		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 1200		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 1000		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 900		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 800		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 700		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 600		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 500		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 400		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 300		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 200		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 100		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 0		17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4

TOTAL NUMBER OF OBSERVATIONS

25.5

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 20000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 18000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 16000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 14000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 12000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 10000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 9000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 8000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 7000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 6000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 5000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 900	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 700	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 600	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 400	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 300	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 100	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 0	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ARLVHILL, VA

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
≥ 20000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 18000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 16000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 14000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 12000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 10000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 9000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 8000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 7000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 6000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 5000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 900	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 800	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 700	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 600	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 500	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 400	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 300	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 200	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 100	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 0	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ARL VILLE, VA.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
IV 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

DIRTY AND CLEAN MET

WINDS

REMARKS

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DATA ACQUIRED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
≥ 20000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 18000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 16000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 14000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 12000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 10000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 9000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 8000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 7000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 6000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 5000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 4500	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 4000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 3500	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 3000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 2500	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 2000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 1800	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 1500	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 1200	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 1000	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 900	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 800	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 700	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 600	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 500	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 400	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 300	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 200	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 100	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCES

NAVAL WEATHER SERVICE DETACHMENT, ANHELVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 20000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 18000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 16000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 14000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 12000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 10000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 9000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 8000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 7000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 6000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 5000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 4500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 4000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 3500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 3000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 2500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 2000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1800	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1200	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 1000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 900	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 800	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 700	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 600	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 400	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 300	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 200	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 100	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1

TOTAL NUMBER OF OBSERVATIONS

DIRT/AUGUST 1970

NAVAL WEATHER SERVICE DETACHMENT, ANHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT ANNEVILLE, MD

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11-17

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 20000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 18000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 16000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 14000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 12000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 10000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 9000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 8000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 7000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 6000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 5000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4500	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3500	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2500	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1800	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1500	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1200	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1000	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 900	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 800	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 700	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 600	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 500	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 400	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 300	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 200	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 100	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 0	1.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

TOTAL NUMBER OF OBSERVATIONS

71

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN/MET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 1 2 3

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
≥ 20000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
IV 18000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 16000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 14000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 12000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 10000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 9000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 8000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 7000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 6000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 5000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
IV 4500	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
IV 4000	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
IV 3500	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
IV 3000	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 2500	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 2000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1800	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1500	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1200	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 900	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 700	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING ≥ 20000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 18000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 16000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 14000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 12000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 10000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 9000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 8000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 7000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 6000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 5000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 4500	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 4000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 3500	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 3000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 2500	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 2000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 1800	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 1500	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 1200	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 1000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 900	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 800	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 700	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 600	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 500	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 400	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 300	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 200	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 100	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
IV 0	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 20000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 18000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 16000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 14000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 12000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 10000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 9000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 8000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 7000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 6000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 5000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4500	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3500	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2500	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1800	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1500	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1200	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1000	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 900	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 800	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 700	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 600	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 500	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 400	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 300	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 200	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 100	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 0	1.1	1.7	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMUS

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NC CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DATA: CEANMET 5MUS

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MONTH	HOURS OBS.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
Jan	10	1.0			16.0						21.0	15.0	.7	10
Feb	14	1.0			11.7						20.1	10.7	.7	14
Mar	10	1.0			10.0						24.0	10.0	.7	10
Apr	10				7.0						32.0	17.0	.7	10
May	10				7.0						31.0	17.0	.7	10
June	10				10.0						20.0	15.0	.7	10
July	10				10.0						21.0	15.0	.7	10
Aug	10				10.0						21.0	15.0	.7	10
Sept	10				10.0						21.0	15.0	.7	10
Oct	10				10.0						21.0	15.0	.7	10
Nov	10				10.0						21.0	15.0	.7	10
Dec	10				10.0						21.0	15.0	.7	10
TOTALS	100				11.0						20.0	17.0	.7	100

NAVWEASERVCOM

SKY COVER

[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

SKY COV

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	NO. OBS.
		0	1	2	3	4	5	6	7	8	9		
	1	.			5.0						10.0	2.0	1
	2	.			1.0						1.0	1.0	1
	3				.						1.0	1.0	1
	4				.						1.0	1.0	1
	5	.			4.0						1.0	1.0	1
	6				.						1.0	1.0	1
	7				.						1.0	1.0	1
	8				.						1.0	1.0	1
	9				.						1.0	1.0	1
	10	.			.						1.0	1.0	1
	11				.						1.0	1.0	1
	12				.						1.0	1.0	1
	13				.						1.0	1.0	1
	14				.						1.0	1.0	1
	15	.			.						1.0	1.0	1
	16				.						1.0	1.0	1
	17				.						1.0	1.0	1
	18				.						1.0	1.0	1
	19				.						1.0	1.0	1
	20				.						1.0	1.0	1
	21				.						1.0	1.0	1
	22				.						1.0	1.0	1
	23				.						1.0	1.0	1
	24				.						1.0	1.0	1
	25				.						1.0	1.0	1
	26				.						1.0	1.0	1
	27				.						1.0	1.0	1
	28				.						1.0	1.0	1
	29				.						1.0	1.0	1
	30				.						1.0	1.0	1
	31				.						1.0	1.0	1
	TOTAL	.			1.0						1.0	1.0	1

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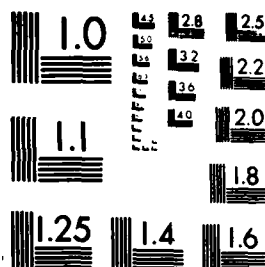
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
ADAK ALASKA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC AUG 84

414

UNCLASSIFIED

F/G 4/2

51



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

SKY COVER

25724 ADAM, AK

73-92

3P2

STATION

STATION NAME

PERIOD

• MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	1.0			6.0						25.3	67.7	9.2	300
	04	.7			5.3						22.7	71.3	9.3	300
	07	.7			3.3						31.7	64.3	9.4	300
	10				3.0						37.0	60.0	9.4	300
	13				2.3						35.3	62.5	9.5	300
	16				3.7						35.3	61.0	9.4	300
	19				2.0						39.0	59.0	9.5	300
	22	.7			6.0						26.7	66.7	9.2	300
TOTALS		.4			4.0						31.6	64.0	9.4	2400

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	01	.3			4.2						18.7	76.8	9.5	310
	04				2.9						20.6	76.5	9.6	310
	07				2.2						26.1	70.6	9.5	310
	10				1.9						28.4	69.7	9.6	310
	13				1.9						30.3	67.7	9.6	310
	16				2.3						33.2	64.5	9.5	310
	19				2.9						31.3	65.8	9.5	310
	22				3.2						24.4	71.9	9.5	310
TOTALS		.1			2.8						26.7	70.4	9.5	2460

NAVWEASERVCOM

SKY COVER

АДАК, АК

73-A?

JUN

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01	.7			3.7						8.3	37.3	9.6	300
	04				1.7						10.7	67.7	9.8	300
	07				1.3						13.3	85.3	9.8	300
	10				2.3						18.0	79.7	9.7	300
	13				5.0						26.3	68.7	9.4	300
	16	.3			3.7						31.3	64.7	9.4	300
	19				4.0						22.0	74.0	9.5	300
	22	.3			1.3						12.7	85.7	9.7	300
													.	
												.		
												.		
												.		
TOTALS		.7			2.9						17.8	79.1	9.6	2400

NAVWEASERVCOM

SKY COVER

ADAK, AK

73-92

JUL

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	01	1.0			3.5						9.4	86.1	9.6	310
	04	.3			2.9						11.3	85.5	9.7	310
	07				2.9						13.5	83.5	9.7	310
	10				3.9						20.6	75.5	9.5	310
	13				5.2						27.1	67.7	9.4	310
	16				4.8						27.4	67.7	9.4	310
	19	.3			2.6						22.9	74.2	9.6	310
	22	.6			2.3						14.2	82.9	9.6	310
													.	
													.	
													.	
													.	
TOTALS		.3			3.5						18.3	77.9	9.6	2480

NAVWEASERVCOM

SKY COVER

25704 ADAM, AK

73-82

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	01	.6			3.9						10.0	85.5	9.6	310
	04	.3			3.2						11.9	84.5	9.6	310
	07				1.6						17.1	81.3	9.7	310
	10				4.5						19.7	75.8	9.5	310
	13				2.9						25.2	71.9	9.5	310
	16	.6			4.2						21.3	73.9	9.4	310
	19	.3			3.2						18.1	78.4	9.6	310
	22	.3			3.5						10.6	85.5	9.6	310
TOTALS		.3			3.4						16.7	79.6	9.6	2480

NAVWEASERVCOM

SKY COVER

ADAK, AK

73-92

SEP
MON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	1.3			10.7						23.7	64.3	8.9	300
	04	1.7			11.0						22.0	65.3	8.8	300
	07				7.7						30.7	61.7	9.2	300
	10				5.3						31.7	63.0	9.3	300
	13				5.7						35.7	58.7	9.2	300
	16				7.3						37.3	55.3	9.1	300
	19				6.7						34.7	58.7	9.2	300
	22	1.3			9.0						25.7	64.0	9.0	300
TOTALS		.5			7.0						30.2	61.4	9.1	2400

NAVWEASERVCOM

SKY COVER

АДАК, АК

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	01	.6			15.2						30.0	54.2	9.6	310
	04	1.6			15.2						25.5	57.7	8.5	310
	07				9.4						39.4	51.3	9.0	310
	10				7.7						39.0	53.2	9.1	310
	13				5.5						44.5	50.0	9.2	310
	16				6.1						45.2	48.7	9.1	310
	19				11.9						39.7	48.4	9.8	310
	22				11.9						35.5	52.6	9.8	310
														-
														-
TOTALS		.3			10.4						37.4	52.0	8.9	2480

NAVWEASERVCOM

SKY COVER

ADAM, AK

73-82

NO V

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	01	1.3			12.7						36.7	49.3	8.6	300
	04	1.0			16.7						31.0	51.3	8.4	300
	07	1.7			14.7						33.0	50.7	8.5	300
	10				7.3						47.7	45.0	9.0	300
	13				8.0						41.0	51.0	9.0	300
	16				7.3						41.0	51.7	9.1	300
	19	.3			12.0						35.3	52.3	8.8	300
	22	1.7			11.0						39.0	48.3	8.7	300
														-
														.
TOTALS		.4			11.2						38.1	50.0	8.8	2400

NAVWEASERVCOM

DEC

MONT

NAVWEASERVCOM

SKY COVER

25704 ADAK, AK

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	.3			11.4						30.0	57.8	9.8	2476
FEB		.2			8.6						32.4	58.3	9.0	2256
MAR		.2			6.1						34.1	59.6	9.2	2490
APR		.4			4.0						31.6	64.0	9.4	2400
MAY		.0			2.8						26.7	70.4	9.5	2480
JUN		.2			2.9						17.8	79.1	9.5	2400
JUL		.3			3.5						16.3	77.9	9.6	2480
AUG		.3			3.4						16.7	79.6	9.6	2480
SEP		.5			7.9						30.2	61.4	9.1	2400
OCT		.3			10.4						37.4	52.0	8.9	2480
NOV		.8			11.2						38.1	50.0	9.8	2400
DEC		1.0			10.7						32.0	56.4	8.8	2476
TOTALS		.5			6.9						28.8	63.9	9.2	29208

NAVWEASERVCOM

PSYCHROMETRIC

NOCB, Federal Building
Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION 4 STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
35								.1					.1
36							.1	1.1					.1
37					.1	.2	2.6	4.4	.2				.6
38					.5	1.2	9.9	16.1	1.9	.2			.5
39				.1	1.5	7.3	35.5	56.9	23.3	2.4	.7	.1	1.5
40		.2	.6	1.8	8.5	40.1	84.0	97.1	50.6	23.5	3.7	.7	2.7
41		3.7	5.6	18.3	57.7	91.0	99.8	100.0	99.6	70.8	19.8	5.7	47.9
42	26.5	23.3	45.1	73.5	96.1	100.0	100.0		100.0	17.9	66.3	32.3	77.1
43	73.7	72.6	98.5	97.2	99.9					100.0	96.4	80.2	92.6
44	95.6	76.0	99.1	100.0	100.0						100.0	99.1	99.7
45	100.0	99.6	100.0									100.0	100.0
46		100.0											100.0
47													
48													
49													
50													
51													
52													
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95													
96													
97													
98													
99													
100													
MEAN		37.0	42.5	41.0	44.0	47.0	53.7	55.5	52.2	44.7	41.3	37.8	44.7
S.D.	4.1	4.077	4.977	3.555	3.470	3.728	4.325	4.289	3.243	3.710	4.100	3.992	7.569
TOTAL OBS.	45	90	103	96	102	90	102	102	99	99	95	102	1196

NAVWEASERVCOM

DAILY TEMPERATURES

STATION 4 STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
5							.7	2.2	.2				.3
4						.3	7.4	19.3	3.7	.4			2.5
3					.1	6.2	49.1	79.7	45.4	6.7			1.1
2	2.3	.7	.5	2.9	17.0	73.1	95.2	97.9	87.8	41.5	7.7	2.4	34.7
1	2.8	12.1	17.5	35.5	76.2	98.2	99.8	99.8	98.5	83.7	4.9	19.3	56.6
0	5.6	31.2	46.5	87.7	97.6	99.9	100.0	100.0	99.9	97.7	81.8	60.9	83.7
-1	7.9	78.3	89.1	98.4	99.9	100.0			100.0	99.9	95.2	84.9	93.9
-2	33.6	91.7	97.6	100.0	100.0					100.0	98.5	95.6	98.1
-3	38.1	97.3	99.7								99.8	98.8	99.1
-4	40.7	99.3	100.0								100.0	99.9	99.9
-5	49.0	99.9										100.0	100.0
-6	100.0	100.0											100.0
-7													
-8													
-9													
-10													
-11													
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-23													
-24													
-25													
-26													
-27													
-28													
-29													
-30													
MEAN	3.0	27.1	5.0	34.7	36.5	4.7	44.7	46.7	43.0	34.4	33.2	30.2	36.3
S.D.	6.1	5.4	4.5	5.4	5.1	2.6	3.4	3.6	3.6	4.1	4.7	5.5	7.5
TOTAL OBS.			1023	1023	1023	1023	1023	1023	99	99	975	1023	1164

NAVWEASERVCOM

3

DAILY TEMPERATURES

STATION 4 A S. 1. STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
21													
20							1.4	2.6	.1				.4
19						.1	3.4	15.4	1.9	.1			1.2
18					.7	5.7	41.7	71.7	31.9	2.6	.4		11.1
17		.1	.1	1.0	10.7	56.0	96.1	99.7	91.8	31.4	4.0	.6	33.7
16	11.2	5.3	8.8	26.7	69.2	99.0	100.0	100.0	99.8	82.3	29.4	11.4	57.8
15	45.3	38.9	58.2	84.7	99.2	100.0			100.0	99.1	79.4	50.4	71.9
14	10.2	79.8	91.2	99.4	100.0					100.0	97.3	85.4	94.6
13	16.2	94.9	99.4	100.0							99.9	92.8	99.1
12	19.7	99.9	100.0								100.0	99.9	100.0
11	100.0	100.0										100.0	100.0
10													
9													
8													
7													
6													
5													
4													
3													
2													
1													
MEAN	57.6	57.0	56.4	57.2	61.0	61.1	60.8	51.5	49.3	42.8	37.3	34.3	50.7
S. D.	4.76	4.57	3.745	3.117	2.846	2.716	3.397	3.324	2.864	3.552	4.018	4.333	7.204
TOTAL OBS.	90	90	1023	900	1023	900	1023	1023	900	992	975	1023	11764

NAYWEASERVCOM

120667

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 1274 STATION NAME ASK YEARS 1951-1980 1982-1992 MONTH JANUARY

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	3.3	.7	37.7	3.2	47	8.3	1956		28.6	-1.9	11	-11.7	1950	
2	3.3	1.1	35.2	3.4	45	7.7	1956		29.6	-1.3	15	-9.4	1964	
3	1.7	.5	36.8	2.7	46	7.8	1967		28.9	-1.7	3	-16.1	1963	
4	3.1	.6	37.3	2.9	47	9.4	1952		28.9	-1.7	13	-17.6	1975	
5	3.1	.8	37.7	2.9	47	8.9	1957		29.7	-1.3	17	-12.2	1975	
6	3.1	1.1	37.7	3.2	45	7.2	1969		30.0	-1.1	15	-7.8	1962	
7	3.7	.9	37.5	3.1	5	10.0	1969		20.8	-1.2	15	-9.4	1967	
8	3.7	.9	37.1	3.4	46	7.8	1957		29.4	-1.4	9	-12.2	1967	
9	3.1	1.4	35.0	3.3	46	7.8	1971		31.1	-.5	17	-7.3	1962	
10	3.1	1.1	37.6	3.1	47	8.3	1962		30.3	-.9	13	-10.6	1959	
11	3.1	1.1	37.5	3.1	47	8.9	1971		30.4	-.9	13	-17.6	1956	
12	3.1	1.1	35.2	3.4	47	8.9	1971		29.9	-1.2	19	-7.2	1967	
13	3.1	.6	37.2	2.9	47	8.9	1957		29.3	-1.7	13	-17.6	1951	
14	3.1	.5	36.6	2.6	47	8.7	1952		29.2	-1.6	15	-9.4	1953	
15	3.3	.7	36.8	2.7	43	6.1	1982		29.7	-1.3	17	-8.3	1953	
16	3.1	.6	37.1	2.6	46	7.8	1982		29.9	-1.2	21	-6.1	198	
17	3.1	.6	37.1	2.3	47	8.3	1932		30.0	-1.1	14	-7.8	198	
18	2.4	.3	35.7	2.1	44	6.7	1967		29.1	-1.6	16	-9.9	1975	
19	3.7	.1	36.1	2.3	45	7.7	1952		28.3	-2.1	6	-14.4	1975	
20	2.4	.2	35.7	2.2	45	7.2	1963		29.0	-1.7	17	-11.1	1975	
21	2.4	.2	36.2	2.3	45	7.7	1963		28.6	-1.9	15	-7.4	1965	
22	2.3	.2	36.3	2.4	43	6.1	1969		29.7	-2.1	10	-12.2	197	
23	2.3	.3	37.3	2.3	44	6.7	1968		27.6	-2.4	14	-10.0	1967	
24	3.1	.8	37.7	3.3	44	6.7	1968		29.2	-1.6	12	-11.1	1965	
25	3.1	1.2	37.7	3.3	46	7.8	1957		30.3	-.9	19	-7.2	1966	
26	3.1	1.4	38.1	3.4	47	9.3	1973		31.5	-.3	18	-7.8	1950	
27	3.7	1.3	37.8	3.2	47	8.9	1973		30.8	-.7	13	-17.6	1964	
28	3.1	1.2	37.7	3.3	51	10.7	1968		30.6	-.8	17	-8.3	1964	
29	3.1	1.2	37.2	2.7	47	8.9	1968		31.0	-.6	16	-8.9	197	
30	3.1	.4	36.2	2.3	47	7.7	1964		29.2	-1.6	17	-8.3	1973	
31	2.4	.2	35.4	2.4	44	6.7	198		28.4	-2.0	19	-7.2	1976	
Monthly	3.4	.8	37.2	2.9	5	10.7	1969		29.6	-1.3	3	-16.1	1963	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 724 STATION NAME Asheville, Ah YEARS 1951-1982 MONTH FEBRUARY

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	71.1	-0.1	34.7	1.4	45	7.2	1957		29.8	-1.3	16	-8.9	1967	
2	71.1	-0.5	35.3	1.3	44	6.7	1957		26.9	-2.8	13	-10.6	1967	
3	71.7	-0.1	36.2	2.3	43	6.1	1957		27.6	-2.4	3	-16.1	1964	
4	72.1	.5	37.7	2.8	51	10.0	1969		23.7	-1.3	10	-12.2	1967	
5	73.1	.6	36.6	2.6	45	7.2	1957		29.6	-1.3	14	-10.0	1964	
6	72.1	.3	36.3	2.4	44	6.7	1982		28.8	-1.6	14	-10.0	1964	
7	72.1	.4	37.4	3.7	43	6.1	1982		28.2	-2.1	5	-13.3	1964	
8	73.3	.7	37.3	2.9	45	7.8	1982		29.2	-1.6	11	-11.7	1964	
9	73.3	.9	37.4	3.0	42	5.6	1982*		29.8	-1.2	16	-8.9	1967	
10	73.2	.7	37.5	3.1	54	12.2	1982		28.9	-1.7	11	-11.7	1965	
11	72.1	.3	37.2	2.9	45	8.9	1956		27.7	-2.4	6	-14.4	1965	
12	73.3	.7	37.1	2.9	44	6.7	1956		29.5	-1.4	19	-7.2	1967*	
13	73.2	.6	36.7	2.6	44	6.7	1951		29.3	-1.5	19	-7.2	1953	
14	72.7	.4	36.6	2.4	43	6.7	1968*		28.8	-1.8	14	-10.0	1973	
15	72.1	.4	36.7	2.6	45	7.3	1952		28.9	-1.7	11	-11.7	1973	
16	72.3	.2	36.6	2.6	43	6.1	1968		28.1	-2.2	1	-12.2	1973	
17	72.1	.5	36.6	2.6	47	8.3	1956		29.2	-1.6	15	-9.4	1971	
18	72.3	.1	36.5	2.5	47	8.3	1956		28.0	-2.3	16	-8.9	1971	
19	72.1	.7	36.4	2.4	47	8.3	1956		27.7	-2.4	15	-9.4	1975	
20	72.4	.3	36.2	2.3	45	7.3	1956		28.6	-1.9	13	-10.6	1971	
21	72.1	.0	36.2	2.3	45	7.2	1957		27.9	-2.3	7	-13.9	1971	
22	72.1	.0	36.7	2.6	45	7.3	1982*		27.3	-2.6	6	-14.4	1971	
23	72.1	.6	37.3	2.7	46	7.8	1956		28.8	-1.8	11	-11.7	1981	
24	73.1	.6	37.8	3.2	46	7.8	1951		28.2	-2.1	14	-10.0	1971	
25	73.1	.6	37.5	3.1	4	8.9	1971		28.4	-2.0	14	-10.0	1958	
26	73.1	.7	37.5	3.1	47	8.3	1955		28.4	-1.8	17	-8.3	1954	
27	73.1	.9	37.1	3.4	47	8.3	1962		29.1	-1.6	12	-11.1	1957	
28	73.1	.7	37.4	3.7	47	8.3	1962		29.2	-1.6	11	-11.7	1957	
29	71.1	-0.2	35.7	2.2	43	6.1	1981		27.2	-2.7	21	-6.1	1974	
30														
31														
Monthly	72.1	.4	36.8	2.7	54	12.7	1982		28.6	-1.9	3	-16.1	1964	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

3

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 774 STATION NAME A. A. A. AK YEARS 1954-1982 MONTH MARC

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	34.7	1.1	34.7	3.3	47	8.3	1974	29.7	-1.3	17	-8.3	1959
2	34.7	1.1	34.6	3.7	47	8.3	1982	29.3	-1.5	13	-10.6	1959
3	34.7	1.2	39.5	4.2	47	8.3	1982	28.9	-1.7	15	-9.4	1959
4	34.3	1.3	38.6	3.7	47	8.3	1982	29.9	-1.2	15	-7.8	1967
5	34.5	1.4	34.9	3.9	45	8.9	1966	30.7	-1.0	19	-7.2	1967
6	34.7	1.6	38.7	3.7	51	10.6	1982	31.7	-.6	20	-6.7	1979
7	34.7	1.6	34.8	3.8	51	10.6	1982	31.7	-.6	19	-7.2	1979
8	34.3	1.3	35.4	3.8	51	10.6	1967	30.2	-1.0	14	-10.0	1974
9	23.7	1.1	27.9	3.3	47	6.7	1967	29.9	-1.2	20	-6.7	1979
10	23.7	.9	30.1	3.4	43	6.1	1982	29.3	-1.5	17	-8.3	1974
11	24.7	1.1	31.6	3.7	43	8.9	1964	29.5	-1.4	13	-10.6	1971
12	34.3	1.3	30.1	3.4	49	8.9	1967	30.5	-.8	21	-6.1	1979
13	34.7	1.4	32.5	3.6	45	7.7	1982	30.7	-.7	19	-7.2	1971
14	33.7	1.1	30.3	3.5	47	9.3	1962	29.5	-1.4	16	-8.9	1973
15	34.4	1.3	30.9	3.8	46	7.8	1982	30.0	-1.1	20	-6.7	1961
16	34.7	1.3	31.5	3.4	46	7.8	1967	30.2	-1.0	12	-7.8	1961
17	34.7	1.7	29.0	3.9	44	6.7	1966	30.9	-.6	21	-6.7	1971
18	34.7	1.8	29.1	3.9	50	10.0	1973	31.4	-.3	15	-7.8	1972
19	34.5	1.4	31.5	3.6	44	6.7	1967	30.5	-.8	24	-4.4	1971
20	34.7	1.6	29.3	4.1	47	8.3	1982	30.4	-.9	20	-6.7	1972
21	34.4	1.3	34.8	3.8	47	7.7	1982	30.1	-1.1	18	-7.8	1972
22	34.1	1.7	39.5	4.2	47	7.2	1964	30.7	-.7	14	-7.8	1971
23	34.6	2.0	39.8	4.3	45	7.2	1969	31.3	-.4	23	-5.7	1975
24	34.6	2.0	39.4	4.1	47	8.3	1965	31.8	-.1	15	-9.4	1975
25	34.2	1.8	29.2	4.0	46	7.8	1962	31.2	-.4	21	-6.1	1977
26	34.7	1.6	38.9	3.9	48	8.9	1982	30.8	-.7	21	-6.1	1968
27	34.2	1.8	34.3	4.1	46	7.8	1965	31.1	-.6	21	-6.1	1972
28	34.5	1.9	39.5	4.2	45	8.9	1969	31.4	-.3	17	-8.3	1975
29	34.4	1.9	39.2	4.7	47	8.3	1971	31.5	-.3	23	-5.0	1975
30	34.7	1.7	34.6	4.2	57	13.9	1982	30.4	-.9	21	-6.1	1973
31	34.6	2.0	37.7	4.3	55	12.9	1982	31.5	-.3	21	-6.1	1975
Monthly	34.7	1.5	38.9	3.8	57	13.9	1982	30.5	-.8	13	-10.6	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 774 STATION NAME Asheville, NC YEARS 1951-1982 MONTH APRIL

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	75.3	1.9	79.2	4.0	44	6.7	1982*	31.7	-0.3	24	-3.3	1966*
2	75.7	2.2	79.9	4.3	47	8.9	1982	32.1	.1	24	-4.4	1971*
3	76.3	2.4	40.5	4.7	47	8.7	1969	32.1	.1	24	-4.4	1966
4	76.7	2.5	40.5	4.7	47	8.3	1981	32.5	.3	22	-5.6	1968
5	76.7	2.2	39.9	4.4	47	7.2	1973*	32.0	.0	24	-4.4	1976*
6	76.4	2.4	40.5	4.7	47	8.3	1981	32.4	.2	26	-3.3	1968
7	76.0	2.8	41.4	5.2	47	8.9	1982*	32.6	.3	23	-5.0	1971
8	76.0	2.7	40.8	4.9	51	10.6	1967	32.9	.5	23	-5.0	1976
9	77.1	2.9	41.2	5.1	49	9.9	1972	32.9	.5	27	-2.8	1966
10	77.0	3.1	42.0	5.6	50	10.0	1972	33.3	.6	25	-3.9	1977
11	76.0	2.7	41.2	5.2	50	10.7	1982	32.5	.3	22	-5.6	1976
12	76.0	2.7	40.5	4.7	47	8.3	1982	33.2	.7	26	-3.3	1977
13	77.4	3.7	41.5	5.3	49	9.4	1982	33.4	.8	25	-3.9	1971
14	77.3	2.9	41.3	5.2	49	7.8	1970*	33.1	.6	22	-5.6	1971
15	76.0	2.7	41.2	5.1	47	8.7	1959	32.4	.2	26	-3.3	1977*
16	76.4	2.4	40.2	4.6	46	7.9	1982*	32.6	.3	24	-4.4	1976
17	76.0	2.6	41.1	5.1	46	7.9	1978*	32.8	.4	28	-2.2	1971
18	77.0	3.1	41.9	5.5	5	10.0	1965	33.1	.6	27	-2.8	1952
19	77.0	3.3	41.5	5.4	52	11.1	1965	33.9	1.1	26	-3.3	1964
20	77.0	3.3	42.3	5.7	56	13.3	1962	33.4	.8	21	-6.1	1964
21	76.4	3.6	43.0	6.1	50	10.0	1982	33.9	1.1	26	-3.3	1950
22	76.4	3.6	42.8	6.2	50	10.3	1961	33.9	1.1	27	-2.8	1960
23	76.3	3.5	42.7	5.9	51	10.6	1982	33.9	1.1	25	-3.9	1960
24	76.7	3.7	42.8	6.1	53	11.7	1967	34.6	1.4	29	-1.7	1972
25	77.4	3.3	41.9	5.5	49	9.4	1967	33.9	1.1	29	-1.7	1971*
26	76.5	3.6	43.1	6.3	53	11.7	1961	33.9	1.1	28	-2.2	1971*
27	76.4	3.7	42.7	5.9	45	8.9	1971	34.5	1.4	30	-1.1	1974*
28	76.7	3.7	42.8	6.2	51	10.6	1981	34.5	1.4	27	-2.8	1979
29	76.4	3.8	43.2	6.3	51	10.6	1982	34.5	1.4	24	-4.4	1979
30	76.1	3.4	42.4	5.9	50	10.0	1966	33.8	1.0	26	-3.3	1972*
31												
Monthly	77.4	3.0	41.5	5.3	56	13.3	1962	33.2	.7	21	-6.1	1964

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 104 1 A - 1 A 195 - 1982 YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	41.1	5.4	42.5	5.9	49	9.4	1981	33.7	0.9	25	-3.9	1943
2	41.1	5.4	42.6	5.9	53	11.7	1952	34.1	1.2	22	-5.6	1971
3	41.4	5.6	43.0	6.1	53	14.4	1952	33.9	1.1	21	-6.7	1971
4	41.7	5.8	43.7	6.5	57	13.9	1952	35.6	2.0	27	-2.5	1971
5	41.7	5.8	44.0	6.7	58	12.2	1952	35.3	1.8	26	-3.3	1971
6	41.7	5.8	43.5	6.4	41	8.9	1991*	35.6	2.0	26	-3.3	1971
7	41.7	5.8	44.5	6.9	50	10.8	1982	35.5	2.2	29	-2.2	1965
8	41.7	5.8	44.2	6.7	5	10.7	1968	35.4	1.9	29	-1.7	1964
9	41.9	5.9	44.5	6.9	50	10.7	1969*	35.2	1.8	29	-1.7	1963
10	41.7	5.8	44.3	6.9	53	11.7	1967	36.7	2.2	31	-0.6	1976
11	41.4	5.7	44.5	6.9	53	11.7	1967	36.3	2.4	3	-1.1	1971
12	41.7	5.8	44.2	6.9	55	12.0	1967	35.5	1.9	28	-2.2	1965
13	41.7	5.8	44.2	6.9	51	10.4	1982*	35.6	2.0	28	-2.2	1965
14	41.7	5.8	44.4	6.9	50	10.7	1979*	36.2	2.3	29	-1.7	1966
15	41.7	5.8	44.9	7.2	53	11.7	1967	37.1	2.8	29	-1.7	1971
16	41.1	5.1	45.4	7.4	61	16.1	1964	36.8	2.7	30	-1.1	1971
17	41.7	5.8	44.9	7.2	50	10.0	1971*	37.2	2.3	30	-1.1	1956
18	41.7	5.8	44.8	7.1	41	8.9	1965*	36.5	2.5	30	-1.1	1955
19	41.7	5.8	45.7	7.2	55	12.9	1967	36.6	2.6	31	-0.6	1955
20	41.2	5.1	45.5	7.5	57	13.9	1967	37.1	2.8	32	0.0	1980
21	41.3	5.0	44.8	7.1	49	9.4	1971*	37.3	2.9	3	-1.1	1965
22	41.2	5.1	45.1	7.3	55	12.9	1964	37.3	2.9	3	-1.1	1965
23	41.7	5.2	45.7	7.6	54	12.2	1961	37.1	2.8	32	0.0	1966
24	41.2	5.1	45.1	7.3	51	10.6	1965	37.2	2.9	3	-1.1	1976
25	41.5	5.3	45.4	7.4	52	11.1	1963	37.6	3.1	3	-1.1	1976
26	42.2	5.7	46.2	7.9	57	11.7	1981	38.2	3.4	33	0.6	1976
27	42.5	5.8	46.7	8.2	60	15.6	1964	38.3	3.5	33	0.6	1967
28	42.7	5.9	46.9	8.3	65	18.3	1964	38.5	3.6	31	-0.6	1972
29	42.5	5.8	46.3	7.9	55	12.9	1962	38.7	3.7	34	1.1	1975
30	43.1	6.1	47.3	8.5	50	15.7	1972	38.6	3.7	31	-0.6	1974
31	43.1	6.2	47.6	8.7	50	14.4	1972	38.5	3.6	31	-0.6	1969
Monthly	41.7	5.8	44.9	7.2	65	18.3	1964	36.5	2.5	20	-6.7	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

704 3.4K, AK 1950-1982 J 0.7
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	3.0	6.1	47.5	8.6	54	13.3	1972	38.5	3.6	29	-1.1	1971
2	42.0	5.9	46.6	8.1	54	13.3	1972	38.6	3.7	29	-1.7	1971
3	42.0	6.3	47.6	8.7	55	12.9	1972	39.2	4.0	35	1.7	1973
4	42.0	6.3	47.2	8.4	59	15.0	1972	39.4	4.1	35	1.7	1973
5	42.0	5.9	45.4	8.0	52	11.1	1982*	39.0	3.9	34	1.1	1973
6	42.0	6.0	46.5	8.1	53	11.7	1977	39.2	4.0	34	1.1	1971
7	42.0	6.6	47.8	8.8	54	12.2	1962	39.6	4.3	37	2.8	1975
8	3.0	6.2	46.8	9.2	54	12.2	1979	39.6	4.2	34	1.1	1971
9	43.0	6.6	47.8	8.8	55	12.9	1979	40.0	4.4	34	1.1	1971
10	4.0	6.7	47.7	8.3	57	14.4	1977	40.3	4.4	32	.0	1972
11	44.3	6.8	48.7	9.3	57	14.4	1962	39.8	4.3	32	.0	1973
12	44.5	6.9	48.6	9.2	63	17.2	1979	40.3	4.6	34	1.1	1979
13	44.7	6.7	47.8	8.8	55	12.8	1952	40.1	4.5	35	1.7	1969
14	4.0	7.1	49.5	9.7	57	14.4	1954	40.3	4.6	35	1.7	1973
15	44.4	6.9	48.6	9.2	57	14.4	1982	40.2	4.6	35	-1.1	1965
16	45.0	7.2	49.3	9.7	54	12.2	1982*	40.5	4.7	31	-0.6	1973
17	45.1	7.3	49.5	9.7	62	16.7	1973	40.7	4.8	35	1.7	1971
18	45.5	7.5	49.5	9.7	53	13.3	1980*	41.4	5.2	33	.6	1974
19	45.4	8.7	51.8	10.4	67	15.6	1974*	42.0	5.6	40	4.4	1982
20	45.7	7.6	49.7	9.8	59	15.7	1979	41.8	5.4	37	2.8	1960
21	46.0	7.8	50.3	10.2	67	15.8	1979	41.6	5.3	38	3.3	1976
22	45.7	7.6	50.3	10.1	62	16.7	1979	41.2	5.1	37	2.8	1971
23	45.7	7.6	49.7	9.8	57	15.7	1981*	41.6	5.3	38	3.3	1971
24	45.0	7.7	50.0	10.0	57	14.4	1965	41.6	5.3	37	2.8	1971
25	45.5	8.1	51.0	10.4	65	18.3	1962	42.0	5.6	36	2.2	1977
26	46.0	8.3	51.2	10.7	67	19.4	1979	42.6	5.9	37	2.8	1971
27	47.2	9.4	52.1	11.2	63	17.2	1967	42.2	5.7	38	3.3	1967
28	46.0	8.2	50.7	10.4	59	15.7	1953	42.8	5.0	39	3.3	1971
29	46.2	7.9	49.4	9.9	57	13.9	1957	42.5	5.8	39	3.9	1971
30	46.7	8.2	50.5	10.3	57	14.4	1982*	42.8	6.7	36	3.3	1963
31												
Monthly	4.0	7.2	49.0	9.4	67	19.4	1979	41.7	4.8	29	-1.7	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 1951-1982 JULY

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	47.2	8.5	51.9	11.1	61	16.1	1967	42.7	5.9	74	3.3	1963
2	47.2	8.4	51.3	10.7	65	18.3	1967	43.0	6.1	77	2.5	1975
3	47.3	8.8	52.5	11.4	62	16.7	1972	43.7	6.1	74	1.1	1976
4	47.1	8.9	52.5	11.4	67	15.6	1979	43.7	6.5	77	2.2	1971
5	47.2	8.8	52.1	11.2	65	18.3	1953	43.5	6.4	72	3.3	1964
6	47.1	8.8	52.3	11.3	59	15.7	1953	43.5	6.4	79	3.9	1965
7	47.5	8.6	51.3	11.0	60	15.6	1953	43.2	5.2	79	3.9	1973
8	47.7	8.7	52.7	11.2	64	17.8	1967	43.3	6.3	75	3.3	1952
9	47.7	9.1	52.9	11.6	67	17.2	1958	43.6	6.4	77	2.5	1971
10	47.7	8.7	51.4	10.8	61	16.1	1960	44.3	6.7	77	2.8	1971
11	47.8	8.9	52.5	11.2	59	15.7	1967	43.8	6.6	77	2.8	1971
12	47.4	9.1	52.9	11.6	66	18.9	1974	43.8	6.6	79	3.3	1971
13	47.1	3.9	52.1	11.2	60	15.6	1981	44.2	6.8	77	2.8	1971
14	47.7	9.1	52.2	11.2	63	17.2	1967	44.5	6.9	74	2.2	1971
15	47.7	9.4	53.3	11.9	59	15.7	1981	44.8	7.1	74	4.4	1971
16	47.8	9.3	52.7	11.7	65	18.3	1956	45.0	7.2	72	3.3	1971
17	47.2	7.6	54.1	12.3	64	17.8	1967	44.5	6.9	76	2.2	1971
18	47.2	9.9	54.7	12.6	63	21.7	1981	44.7	7.2	76	2.2	1971
19	47.2	9.7	53.7	12.1	67	16.7	1957	45.3	7.4	75	2.3	1971
20	47.8	9.8	54.4	12.4	71	21.1	1957	44.9	7.7	73	2.2	1971
21	47.7	9.8	54.5	12.5	67	20.4	1963	44.9	7.1	79	7.9	1971
22	45.3	9.6	54.2	12.3	67	17.2	1954	44.4	6.9	74	2.2	1971
23	47.7	10.2	55.7	13.2	70	21.1	1962	44.7	7.1	73	.6	1971
24	47.7	10.4	55.4	13.0	65	18.3	1965	45.9	7.7	74	3.3	1971
25	47.7	10.6	55.4	13.0	70	21.1	1962	46.6	8.1	74	4.4	1971
26	47.7	10.4	55.1	12.9	67	20.7	1960	46.3	7.9	72	7.3	1973
27	47.7	10.2	55.2	12.9	67	19.4	1960	45.4	7.4	76	2.2	1973
28	47.7	10.7	55.9	13.3	72	22.2	1962	45.7	7.7	79	3.9	1962
29	47.7	10.8	56.4	13.6	67	20.7	1961	46.7	8.2	79	3.9	1971
30	47.7	10.7	55.9	13.3	64	17.8	1969	46.5	9.1	74	4.4	1971
31	47.7	10.9	56.9	13.8	65	19.3	1961	46.1	7.8	79	3.9	1971
Monthly	47.1	9.5	53.7	12.1	72	22.2	1962	44.6	7.3	73	.6	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 4 STATION NAME 100 -1982 YEARS 4 JUST

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	F	°C	F	°C	F	°C	DATE	°F	°C	F	°C	DATE
1	11.5	11.8	55.7	14.4	69	20.4	1981	47.1	8.4	35	3.9	1971
2	11.5	11.5	56.5	17.7	69	20.7	1973	46.5	8.3	35	3.9	1981
3	11.5	11.5	56.3	13.5	69	20.7	1954	47.4	8.6	43	6.1	1954
4	10.9	10.9	57.2	13.4	74	23.3	1981	47.1	8.4	41	5.0	1971
5	11.1	11.1	56.6	13.7	70	22.2	1981	47.2	8.4	41	5.0	1971
6	10.7	10.7	56.7	13.3	65	19.3	1969	46.5	8.2	41	5.0	1973
7	10.8	10.8	56.4	13.4	74	23.3	1969	46.6	8.1	41	5.0	1971
8	10.7	10.7	56.6	13.7	75	23.3	1956	46.5	8.2	4	4.4	1971
9	11.3	11.3	57.2	14.1	77	22.7	1956	47.5	8.6	40	4.4	1971
10	11.1	11.1	56.7	13.3	67	19.4	1969	47.5	8.6	40	4.4	1971
11	10.9	10.9	56.3	13.3	66	18.9	1982	47.4	8.0	40	4.4	1981
12	11.0	11.0	56.3	13.3	63	17.2	1974	46.8	8.2	35	3.9	1981
13	10.9	10.9	56.7	13.4	66	18.9	1953	47.3	8.5	41	5.0	1982
14	10.8	10.8	56.3	13.3	74	23.3	1969	46.5	8.2	40	4.4	1981
15	10.9	10.9	56.3	13.3	68	20.7	1963	47.1	8.3	7	3.3	1953
16	10.4	10.4	56.3	12.8	64	17.8	1958	46.4	8.3	39	3.9	1968
17	10.9	10.9	56.7	13.2	65	18.3	1973	46.3	7.8	34	2.2	1968
18	10.3	10.3	56.6	13.1	6	20.4	1953	46.8	8.2	7	3.3	1953
19	10.9	10.9	56.1	13.4	60	20.4	1973	47.1	8.4	42	5.6	1966
20	10.7	10.7	56.3	13.3	71	21.7	1969	47.1	8.4	77	2.3	1981
21	10.7	10.7	56.3	13.2	65	18.3	1951	47.5	8.6	19	3.9	1981
22	10.9	10.9	56.7	13.3	66	18.9	1953	47.2	8.4	19	3.9	1971
23	10.4	10.4	56.2	12.8	64	17.8	1953	46.4	8.1	35	1.7	1966
24	10.9	10.9	56.4	13.7	63	17.2	1969	46.3	7.9	34	1.1	1972
25	10.9	10.9	56.3	13.2	65	18.3	1957	47.1	8.3	33	.6	1963
26	10.4	10.4	56.6	12.7	71	21.7	1953	46.5	8.1	41	5.0	1967
27	10.3	10.3	56.6	12.9	61	16.1	1962	46.1	7.8	40	4.4	1964
28	9.7	9.7	53.5	11.9	50	15.1	1969	45.4	7.4	40	4.4	1964
29	9.9	9.9	53.3	12.1	6	15.6	196	45.5	7.7	40	4.4	1965
30	10.1	10.1	54.5	12.5	61	16.1	196	46.1	7.8	40	4.4	1969
31	10.4	10.4	56.4	12.4	61	16.1	1962	47.1	8.3	40	6.1	1972
Monthly	10.7	10.7	55.9	13.2	75	23.7	1955	46.5	8.2	33	.6	1957

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NO. 74 STATION NAME 100 - 1000 YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	F	C	F	C	F	C		F	C	F	C	
1	9.4	12.7	64.3	12.7	66	18.9	1958	46.4	7.9	40	4.6	1958
2	9.4	9.9	63.7	12.1	67	16.7	1959	46.4	7.8	40	4.4	1958
3	9.4	9.9	63.7	12.4	62	16.7	1959	46.2	7.3	37	2.9	1971
4	10.1	10.1	64.4	12.4	61	16.1	1979	45.2	7.7	37	2.3	1977
5	10.1	10.1	64.6	12.7	65	18.3	1979	45.7	7.6	37	2.8	1977
6	9.6	9.6	63.4	12.1	57	13.7	1979	44.6	7.0	30	1.1	1977
7	9.6	9.6	63.4	12.1	64	17.8	1965	44.7	7.1	33	0.6	1977
8	9.6	9.6	63.6	12.2	64	17.8	1966	44.1	6.7	30	1.7	1977
9	9.1	9.1	62.5	11.4	57	13.7	1954	44.2	6.7	30	1.7	1957
10	9.1	9.1	62.2	11.2	57	13.4	1967	44.1	6.7	30	1.7	1958
11	9.1	9.1	62.7	11.7	67	19.7	1954	44.0	6.7	30	2.2	1968
12	8.3	8.3	62.2	11.2	57	13.7	1961	43.6	6.4	32	0.8	1955
13	9.2	9.2	62.7	11.6	51	12.1	1963	44.2	6.3	37	2.5	1971
14	8.9	8.9	62.2	11.1	57	13.7	1961	44.0	6.7	36	2.2	1944
15	8.7	8.7	61.4	11.2	57	13.7	1961	43.5	6.4	33	0.6	1942
16	9.1	9.1	61.6	11.4	67	16.7	1954	44.7	6.6	30	3.3	1977
17	9.1	9.1	62.4	11.7	57	14.4	1961	44.2	6.7	30	1.7	1972
18	9.6	9.6	61.7	11.2	60	15.4	1961	43.2	6.2	33	0.6	1932
19	9.2	9.2	61.2	11.7	57	14.4	1961	42.4	6.4	32	0.8	1977
20	8.3	8.3	61.3	11.7	57	13.7	1979	40.5	5.0	30	1.7	1972
21	8.6	8.6	60.7	11.4	57	13.7	1958	44.2	6.6	30	2.2	1977
22	8.5	8.5	61.2	11.6	50	12.7	1977	44.7	6.7	30	2.7	1977
23	8.7	8.7	61.2	11.7	57	13.7	1967	43.7	6.5	30	1.7	1948
24	8.3	8.4	61.5	10.9	57	13.7	1963	42.5	6.1	32	0.7	1959
25	8.3	8.3	61.1	11.1	57	13.7	1959	42.1	5.6	30	1.7	1961
26	8.4	8.4	61.4	10.8	67	17.2	1963	42.0	6.1	31	-0.6	1959
27	7.6	7.6	60.1	10.1	57	13.7	1961	42.0	5.6	30	-0.2	1967
28	7.9	7.9	60.3	11.1	57	13.7	1955	42.5	5.8	34	1.1	1955
29	7.7	7.7	40.7	9.3	57	13.7	1965	41.0	5.4	34	1.1	1975
30	7.4	7.4	40.9	9.3	54	12.7	1969	41.0	5.0	31	-0.6	1972
31												
Monthly	8.9	8.9	62.2	11.2	66	15.9	1959	43.7	6.6	30	-2.2	1975

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NO. 10101 STATION NAME ASHEVILLE, NORTH CAROLINA YEARS 1947-1974 MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP		DATE
	AVERAGE		AVERAGE	EXTREME		AVERAGE		EXTREME		
	F	C	F	C	F	C	F	C		
1	4.4	7.4	44.7	9.2	57	13.3	41.7	5.7	7.1	1952
2	4.4	7.4	44.7	12.7	61	15.1	41.6	5.4	7.1	1952
3	4.4	7.4	44.7	9.2	57	13.3	40.1	4.1	7.1	1952
4	4.4	7.4	44.9	9.6	57	11.7	41.4	5.7	7.1	1952
5	4.4	7.1	44.4	9.7	57	13.1	41.4	5.7	7.1	1952
6	4.4	7.1	44.4	9.7	57	13.3	39.9	4.4	7.1	1952
7	4.4	7.2	44.3	9.6	57	14.4	41.4	4.7	7.1	1952
8	4.4	6.8	44.8	9.3	57	12.3	39.9	4.4	7.1	1952
9	4.4	6.4	44.3	8.9	56	12.7	41.4	4.9	7.1	1952
10	4.4	6.4	44.1	8.7	54	13.7	41.4	4.7	7.1	1952
11	4.4	6.7	44.1	8.7	57	13.7	41.4	4.4	7.1	1952
12	4.4	6.4	47.2	8.8	57	13.7	39.1	3.9	7.1	1952
13	4.4	6.4	47.1	8.4	57	13.7	38.3	3.4	7.1	1952
14	4.4	6.6	46.4	8.7	52	13.6	37.4	3.3	7.1	1952
15	4.4	6.3	44.4	8.1	57	11.1	38.3	3.2	7.1	1952
16	4.4	5.4	47.1	8.3	51	11.6	38.3	3.2	7.1	1952
17	4.4	6.1	44.7	8.7	54	12.3	39.1	3.7	7.1	1952
18	4.4	5.7	44.5	8.1	54	12.7	37.4	3.3	7.1	1952
19	4.4	5.1	44.3	7.3	57	11.1	36.7	2.8	7.1	1952
20	4.4	5.4	44.1	7.3	57	11.1	37.4	2.9	7.1	1952
21	4.4	5.1	44.6	7.4	57	12.7	37.4	2.9	7.1	1952
22	4.4	4.3	44.3	7.3	57	11.1	36.9	2.9	7.1	1952
23	4.4	4.7	44.7	7.1	54	12.1	35.2	2.7	7.1	1952
24	4.4	5.2	44.4	7.4	57	11.1	37.4	2.9	7.1	1952
25	4.4	5.1	44.3	7.4	60	15.6	37.4	2.9	7.1	1952
26	4.4	4.7	44.1	7.1	57	11.1	36.1	2.3	7.1	1952
27	4.4	4.4	44.4	6.7	57	11.1	35.9	2.3	7.1	1952
28	4.4	4.3	43.5	6.4	57	11.7	36.1	2.2	7.1	1952
29	4.4	4.4	43.4	5.7	47	8.7	36.5	2.1	7.1	1952
30	4.4	4.1	43.4	6.7	57	11.1	34.5	1.9	7.1	1952
31	4.4	3.3	42.3	6.7	57	12.7	35.4	1.9	7.1	1952
Monthly	4.4	5.9	44.7	8.7	51	11.1	32.4	3.6	7.1	1952

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

1
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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION: STATION NAME: 1 -1982 MONTH:

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	3.7	3.7	42.7	5.9	51	10.6	1955	34.4	1.3	25	-3.9	1955
2	3.9	3.9	43.1	6.2	52	11.1	1978	34.2	1.1	30	-1.1	1962
3	4.2	4.2	43.4	6.3	53	11.7	1964	36.3	2.4	20	-1.1	1972
4	3.9	3.9	43.3	6.3	51	10.7	1969	35.7	1.7	27	-2.8	1961
5	4.1	4.1	43.5	6.4	55	12.2	1982	34.9	1.6	26	-1.3	1973
6	4.0	4.0	43.4	6.3	54	12.2	1964	35.1	1.7	29	-1.7	1961
7	3.3	3.3	42.2	5.7	49	8.9	1964	32.5	1.0	23	-2.2	1962
8	3.6	3.6	42.4	5.7	50	11.1	1985	34.3	1.3	26	-3.3	1961
9	3.1	3.1	41.5	5.4	47	8.9	1987	33.3	.7	19	-7.9	1974
10	3.7	3.7	42.5	5.9	55	12.8	1967	35.7	1.7	23	-5.3	1974
11	3.2	3.2	41.2	5.5	47	3.3	1967	33.4	.9	22	-5.6	1971
12	3.2	3.2	42.2	5.7	49	7.4	1965	33.4	.8	22	-5.6	1971
13	3.8	3.8	42.4	5.9	50	10.0	1965	34.4	1.3	26	-3.3	1964
14	3.2	3.2	41.6	5.7	52	11.1	1979	33.7	.9	21	-5.1	1974
15	3.2	3.2	42.1	5.6	54	12.2	1975	33.5	.9	16	-5.9	1964
16	2.7	2.7	40.9	4.9	57	13.2	1970	33.7	.6	16	-8.9	1971
17	2.7	2.7	40.7	4.8	50	10.0	1965	32.4	.2	19	-7.2	1962
18	2.4	2.4	40.6	4.4	49	8.9	1951	32.2	.1	20	-6.7	1962
19	2.4	2.4	40.4	4.7	48	8.9	1961	32.1	.4	22	-5.6	1971
20	2.1	2.1	40.2	4.4	46	7.4	1973	31.7	-.2	20	-6.7	1967
21	2.3	2.3	40.3	4.6	51	10.0	1965	32.2	.1	17	-8.3	1962
22	2.3	2.3	40.4	4.7	55	12.7	1970	32.0	.1	11	-6.9	1972
23	2.1	2.1	40.0	4.4	54	12.2	1971	31.5	-.3	13	-11.6	1971
24	1.9	1.9	39.4	4.1	56	13.3	1971	31.7	-.2	19	-7.2	1962
25	2.2	2.2	39.3	4.3	55	12.8	1971	32.1	.0	11	-7.8	1972
26	1.7	1.7	38.0	4.0	51	10.6	1970	31.1	-.1	19	-7.2	1972
27	1.1	1.1	38.1	3.8	47	8.7	1967	31.4	-.3	21	-6.1	1972
28	1.8	1.8	38.4	4.1	45	7.8	1973	31.3	-.6	19	-7.2	1952
29	2.3	2.3	38.5	4.0	54	12.2	1961	32.7	.4	12	-11.1	1969
30	2.1	2.1	38.5	4.0	47	9.4	1971	31.1	-.1	23	-5.0	1962
31												
Monthly	2.9	2.9	41.3	5.2	57	13.7	1971	33.2	.7	17	-11.1	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 14 STATION NAME 14-1982 YEARS 14-1982 MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME	
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	DATE
1	75.4	2.1	75.6	2.1	53	11.7	1977	31.3	-0.1	22
2	75.6	2.1	75.8	2.1	47	8.4	1979	31.5	-0.3	20
3	75.7	1.7	75.4	2.1	44	8.2	1979	30.6	-0.3	16
4	75.1	1.7	75.7	2.1	47	8.3	1950	30.9	-0.6	15
5	75.3	1.8	75.1	2.1	53	11.7	1954	31.3	-0.4	23
6	74.5	1.4	77.9	2.3	44	6.7	1966	31.7	-0.4	22
7	75.2	1.7	79.2	4.0	53	12.5	1951	30.2	-0.7	13
8	74.5	1.4	75.9	3.8	51	10.6	1950	28.2	-1.0	21
9	75.1	1.2	76.4	3.6	46	7.8	1979	29.7	-1.3	13
10	75.1	1.7	75.9	3.8	40	7.4	1957	31.4	-0.3	17
11	74.5	1.8	75.1	3.4	44	6.7	1979	31.3	-0.4	21
12	75.3	1.7	75.1	2.3	45	7.2	1979	29.5	-1.4	21
13	75.2	1.4	76.9	2.7	47	8.3	1969	28.7	-1.8	10
14	75.1	1.1	77.7	3.2	51	10.6	1968	30.1	-1.1	17
15	75.1	1.9	77.6	3.1	40	7.2	1970	29.7	-1.3	15
16	75.5	1.4	75.4	3.6	47	8.3	1971	30.0	-0.8	12
17	74.5	1.3	75.1	3.3	46	7.8	1968	31.4	-0.3	22
18	74.5	1.3	75.6	3.7	54	12.2	1970	30.3	-1.1	20
19	75.1	1.1	77.6	3.1	52	11.1	1970	30.3	-0.9	20
20	75.1	1.0	77.8	3.7	47	8.3	1971	29.9	-1.2	20
21	75.1	1.0	77.5	3.1	40	8.9	1959	30.0	-1.1	14
22	75.2	1.7	77.1	2.8	46	7.8	1979	29.5	-1.4	13
23	75.3	1.7	76.7	2.6	43	6.1	1971	29.7	-1.3	17
24	75.2	1.3	76.1	2.3	40	5.6	1970	29.2	-1.6	14
25	75.2	1.4	76.7	2.4	44	6.7	1981	28.8	-1.8	15
26	75.1	1.0	77.1	2.8	45	7.2	1970	30.5	-0.9	13
27	75.1	1.8	76.3	2.7	47	8.3	1951	29.5	-1.4	11
28	75.2	1.1	77.2	2.3	40	7.2	1951	30.9	-0.6	15
29	75.1	1.8	77.3	2.3	47	6.1	1951	29.8	-1.2	20
30	75.3	1.2	76.3	2.4	40	5.6	1967	28.3	-2.1	17
31	75.2	1.1	76.4	2.9	46	7.3	1964	27.9	-2.3	10
Monthly	74.5	1.1	77.8	3.7	55	12.5	1950	30.3	-1.7	20

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

2074 2044, 2044 20-50
STATION STATION NAME YEARS

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
10	46	47	43	46	47	62	75	67	55	50	45	45	
11	45	45	44	49	47	50	52	63	56	52	42	47	67
12	49	45	47	45	56	56	58	65	58	54	46	47	87
13	42	44	40	47	47	59	65	71	57	52	40	40	71
14	40	42	46	48	49	56	65	66	62	52	46	53	66
15	43	47	46	46	49	53	69	63	56	55	45	45	54
16	47	45	44	46	48	54	66	75	57	59	46	44	75
17	48	45	45	49	51	52	57	63	57	51	46	49	71
18	44	42	46	48	48	56	53	67	58	54	45	43	67
19	45	43	41	49	53	50	62	65	66	55	45	48	66
20	45	42	42	43	46	52	51	51	63	61	51	41	54
21	42	42	43	53	54	57	65	61	60	54	54	45	65
22	47	47	47	56	58	65	72	64	60	54	45	41	72
23	45	41	46	50	52	56	69	70	61	54	50	42	77
24	44	41	48	47	65	58	64	61	61	60	54	47	55
25	46	46	47	52	51	60	68	66	59	52	55	48	67
26	45	44	49	50	52	54	64	65	64	53	50	45	64
27	45	43	51	53	57	63	68	68	59	55	55	40	62
28	50	43	45	47	54	56	65	60	58	56	46	51	65
29	50	50	48	47	51	54	64	74	59	52	51	39	74
30	42	44	46	47	51	58	58	64	56	53	57	54	69
31	45	48	49	48	55	59	57	63	64			47	
32	42	42	45	50	59	57	62	60	58	51	40	45	64
33	47	43	50	45	46	52	60	65	56	58	50	47	67
34	41	45	47	45	49	60	66	63	54	57	47	44	66
35	40	41	39	44	45	54	61	60	55	57	45	46	61
36	42	41	43	44	50	51	58	57	52	49	46	43	54
37	40	48	41	46	52	57	59	61	57	55	48	42	61
38	40	38	43	46	49	57	59	61	57	53	52	45	51
39	41	42	44	47	53	67	66	64	65	52	52	49	67
MEAN													
S D													
TOTAL OBS													

SMOS

EXTREME VALUES

257-4

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

31-0000

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
0		44	44	45	47	49	59	68	63	59	54	52	43	63
1				44	51	53	59	68	74	61	57	52	47	
2		47	54	57	51	52	58	62	66	58	63	55	44	66
MEAN		44.5	43.5	45.5	47.4	51.5	57.3	61.6	65.2	58.8	54.3	49.5	45.8	66.1
S.D.		7.694	3.452	3.402	3.031	4.364	4.934	4.146	4.362	3.216	3.019	3.595	3.795	3.381
TOTAL OBS.		69	64	123	99	123	69	123	123	99	92	63	103	1193

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
1-74	1. A. A. A. A.	50-87

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
60	27	22	20	26	29	37	40	44	35	32		19	
61	13	28	25	24	34	36	37	40	38	34	29	24	17
62	23	16	18	26	34	36	38	43	32	35	27	14	14
63	15	19	20	26	29	37	42	42	39	37	19	13	17
64	21	19	19	29	33	35	40	39	39	31	22	17	15
65	17	17	29	27	30	37	38	41	36	29	37	25	17
66	20	26	23	27	30	37	39	40	39	31	23	22	17
67	29	11	15	29	34	38	40	43	32	33	25	20	11
68	13	14	20	23	31	36	38	38	28	31	23	22	17
69	20	17	13	26	34	37	39	41	41	29	28	17	17
70	21	13	29	24	33	37	42	45	39	31	23	20	17
71	20	23	10	27	29	35	38	42	39	29	23	20	14
72	13	17	29	26	37	37	42	45	34	37	19	25	17
73	3	22	24	26	25	35	38	33	37	34	24	19	7
74	13	3	22	21	29	37	37	40	33	26	13	20	3
75	12	6	23	29	28	30	41	43	34	29	26	10	6
76	19	15	22	24	29	36	39	35	36	26	27	20	16
77	9	5	18	25	34	37	42	40	35	26	23	13	6
78	21	22	21	22	31	37	42	35	35	22	19	26	10
79	13	21	24	28	30	30	41	40	32	32	12	14	10
80	10	18	16	26	34	35	40	40	35	36	25	22	10
81	21	6	13	22	20	29	33	37	27			13	
82	17	20	18	25	30	32	40	37	21	30	13	17	10
83	15	10	16	26	29	31	36	41	35	32	26	19	10
84	28	22	24	29	31	33	40	42	36	30	29	12	10
85	6	15	15	29	31	36	36	45	34	33	37	18	6
86	19	22	22	22	30	35	34	43	35	29	16	11	11
87	17	18	21	24	32	36	42	46	38	32	24	25	17
88	22	16	14	30	29	37	42	41	36	31	27	24	14
89	20	25	17	24	28	40	41	42	35	31	19	6	8
MEAN													
S.D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

STATION

ALL, AM

51-82

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

SMOS

EXTREME VALUES

STATION

2 2 2

32-57

STATION NAME

YEARS

[illegible]

SMOS

PSYCHROMETRIC SUMMARY

2074	ADAF, AK	73-82	JAN
STATION	STATION NAME	YEARS	MONTH

PAGE 1

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

ALL, AK

73-A2

532

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS: 15

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
52/ 51					.0													1	1																
48/ 47				.0														1	1																
44/ 45		.0	.1	.1														5	5																
44/ 43		.2	.7	.3														25	25	3															
42/ 41	.0	.3	1.2	.1														38	38	7	4														
40/ 39	.4	1.9	1.6	.2	.0													91	91	42	11														
38/ 37	0.1	3.6	3.1	1.1	.0													225	225	137	56														
36/ 35	3.3	8.2	4.7	1.1														390	390	206	130														
34/ 33	2.7	1.0	6.1	.5														457	457	415	170														
32/ 31	2.7	7.7	6.2	.7														388	388	407	317														
30/ 29	1.4	5.7	3.7	.2														248	249	359	285														
28/ 27	1.6	3.2	2.0	.0														154	154	288	258														
26/ 25	.6	2.3	1.3															94	94	156	214														
24/ 23	.4	2.3	.4															72	72	102	200														
22/ 21	.5	.9	.3															38	38	78	197														
20/ 19	.1	.5	.1															14	14	29	146														
18/ 17	.1	.1																5	5	11	117														
16/ 15	.0	.2																5	5	6	71														
14/ 13	.0																	1	1	4	37														
12/ 11	.0	.0																2	2	2	23														
10/ 9	.0																	1	1	1	8														
8/ 7																					1														
6/ 5																																			
TOTAL	17	148	131	4	.1													2255	2256	2255															

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	14563447	178941	79.4	12.706	2255	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2439729	73429	32.5	4.663	2256		304.7					672.0
Wet Bulb	2149726	63842	30.5	4.584	2255		437.6					672.0
Dew Point	1677795	52875	26.6	6.223	2255		561.4					672.0

PSYCHROMETRIC SUMMARY

A 7 4 2 1 A 4

STATION NAME

73-22

YEARS

MONTH

PAGE 1
HOURS 11 57

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NAVWEASERVCOM

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1

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

2 2 , Ar

STATION NAME

73-3.

YEARS

MENTH

A - E :
HOURS : 5 4

[illegible]

PSYCHROMETRIC SUMMARY

STATION

2. A. A. A.

STATION NAME

22-23

YEARS

4051

1. 2. 3.

[illegible]

PSYCHROMETRIC SUMMARY

STATION 4754, AP STATION NAME 73-82 YEARS JUL NORTH
 PAGE 1
 HOURS 1157

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W. 3.	Dry Bulb	Wet Bulb	Dew Point												
88 / 87																		1	1														
86 / 85																		1	1														
84 / 83																		1	1														
82 / 81				.3	.1													3	3														
80 / 79				.3														1	1														
78 / 77				.3														1	1														
76 / 75																				3													
74 / 73																				4													
72 / 71																				1	4												
70 / 69																		2	2														
68 / 67					.1													3	3														
66 / 65					.1													4	4														
64 / 63			.3	.1	.3													5	5	3													
62 / 61			.3	.2	.1			.3	.1									17	17	5													
60 / 59	.1	.3	.4	.3			.1											30	30	12													
58 / 57	.1	1.3	1.7	1.1	.2	.1	.1											119	119	31	25												
56 / 55	.3	1.5	2.3	1.1	.2		.3											171	171	67	40												
54 / 53	.4	4.6	3.5	1.5	.3													305	305	142	75												
52 / 51	.3	3.6	7.4	1.1	.1													447	447	259	147												
50 / 49	1.7	14.3	4.3	1.7														504	504	444	253												
48 / 47	1.8	17.4	3.7	.1														523	523	621	497												
46 / 45	1.8	7.1	1.7															256	256	564	502												
44 / 43	.3	1.7	.4															71	71	270	473												
42 / 41	.1	.2	.1															10	10	50	274												
40 / 39		.1																3	3	12	119												
38 / 37			.3															1	1	3	46												
36 / 35																		1	1	2	10												
34 / 33																																	
32 / 31																																	
30 / 29																																	
28 / 27																																	
26 / 25																																	
24 / 23																																	
22 / 21																																	
20 / 19																																	
18 / 17																																	
16 / 15																																	
14 / 13																																	
12 / 11																																	
10 / 9																																	
8 / 7																																	
6 / 5																																	
4 / 3																																	
2 / 1																																	
0																																	
TOTAL																		2450	2480	2460													
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs		Mean No. of Hours with Temperature							Total															
Rel. Hum.	1387426		210470		44.9		9.783		2479		≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	744.0																
Dry Bulb	5387062		120352		48.5		4.337		2487				3.0	2.4	1.9		744.0																
Wet Bulb	5338956		114672		46.2		3.846		2467				2.4	2.4			744.0																
Dew Point	4847436		109110		44.0		4.356		2460			2.4	2.4	2.4			744.0																

3

NAVWEASERVCOM

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2974
STATION

A-4, 24

73-12

YEARS

PAGE 1
HOURS 1.50

HOURS - 1, 5, 9

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3

257 4
STATION

 $\Delta^{\sim} \Delta^{\sim}, \Delta^{\sim}$

STATION NAME

73-02

YEARS

OCT
MONTH

PAGE 1
HOURS 157

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
57 / 57		.1																1	1																
56 / 55		.1	.1															5	5	1															
54 / 53		.2	.3	.0														13	13	4	2														
52 / 51	.1	.8	.6	.2	.1	.0												47	47	13	7														
50 / 49	.3	1.5	1.9	.9	.0													114	114	37	22														
48 / 47	.4	3.2	3.2	2.4	.4													239	239	90	47														
46 / 45	.5	5.2	4.3	2.7	.5													376	376	174	76														
44 / 43	.4	6.7	9.0	3.5	.3													492	492	285	101														
42 / 41	.8	5.6	9.2	2.9	.1													455	458	411	180														
40 / 39	.4	5.0	7.3	2.0	.1													367	367	484	302														
38 / 37	.2	4.3	9.5	.4														181	181	443	346														
36 / 35	.0	2.7	1.2	.1														105	105	293	336														
34 / 33	.2	1.4	.4															49	49	161	350														
32 / 31		1.0	.1															28	28	56	283														
30 / 29	.3	.1																4	4	34	199														
28 / 27		.0																1	1	3	130														
26 / 25																				1	63														
24 / 23																					24														
22 / 21																					10														
20 / 19																					1														
18 / 17																					1														
TOTAL	3.3	7.6	42.1	15.1	1.5	.0												2460	2460	2480															
																		2460		2480															

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1966903	191479	77.2	10.683	2480							
Dry Bulb	4543148	105704	42.6	4.153	2480		9.9					744.0
Wet Bulb	742239	99335	79.7	4.171	2480		28.2					744.0
Dew Point	7234997	88553	35.7	5.429	2480		13.3					744.0

3

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MONTH

HOURS (L S T)

[illegible]

PSYCHROMETRIC SUMMARY

ADAL, AK.

73-62

250

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (LST)

[illegible]

PSYCHROMETRIC SUMMARY

ADAM, AM

73-82

A i i

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L S T)

[illegible]

NAVWEASERVCOM

3

ALL
MONTH

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DAY-TIDE TEMPERATURES, DEG F FROM HOURLY OBSERVATIONS

STATION 4 A2AC, AM

73-82

STATION

STATION NAME

YEARS

HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	31.9	31.8	33.4	35.3	37.8	42.4	46.6	48.9	46.2	41.6	37.0	33.6	38.9
	S. D.	5.021	4.643	4.455	3.441	2.776	3.128	3.728	3.322	3.436	4.095	4.378	4.946	7.055
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	31.7	31.5	33.2	35.1	37.7	42.2	46.2	48.7	46.0	41.3	36.8	33.5	38.7
	S. D.	5.267	4.820	4.467	3.540	2.927	3.334	3.802	3.540	3.493	4.155	4.296	4.926	7.072
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	309	3650
	MEAN	32.0	31.3	33.1	35.4	38.7	43.1	47.0	49.0	46.0	41.2	36.9	33.6	38.0
	S. D.	5.040	5.054	4.421	3.595	2.818	2.838	3.660	3.278	3.592	4.200	4.193	4.919	7.174
	TOTAL OBS	309	282	309	300	310	300	310	310	300	310	300	309	3649
	MEAN	32.3	33.0	35.3	37.9	41.7	45.5	49.6	51.5	49.2	43.8	38.1	34.4	41.1
	S. D.	4.530	4.370	4.057	3.434	2.627	3.262	3.953	3.617	2.891	3.656	3.728	4.519	7.524
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
1	MEAN	34.5	34.6	36.6	39.1	42.5	47.3	51.4	53.0	50.4	45.2	39.6	35.7	42.5
	S. D.	3.525	4.061	4.139	3.431	3.226	3.624	4.431	3.901	2.932	3.650	3.551	3.692	7.492
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
1	MEAN	33.7	34.1	36.1	38.8	42.0	47.0	51.1	52.6	49.8	44.3	38.6	34.9	42.0
	S. D.	3.641	4.040	4.125	3.446	2.954	3.565	4.124	3.561	2.960	3.664	3.559	4.166	7.570
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
1	MEAN	32.4	32.2	34.3	36.9	40.1	45.0	49.1	50.6	47.5	42.2	37.5	34.0	40.2
	S. D.	4.357	4.442	4.219	3.261	2.698	3.115	3.695	3.149	2.862	3.626	3.854	4.621	7.330
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	32.4	31.9	33.7	35.7	38.4	43.2	47.2	49.2	46.5	41.6	37.1	33.7	39.2
	S. D.	4.704	4.698	4.405	3.330	2.725	2.984	3.619	3.137	3.357	4.001	4.327	4.945	7.061
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	32.7	32.5	34.5	36.8	39.8	44.5	48.5	50.4	47.7	42.6	37.7	34.2	40.2
	S. D.	4.627	4.663	4.470	3.759	3.351	3.727	4.331	3.816	3.632	4.154	4.098	4.661	7.417
	TOTAL OBS	2476	2256	2479	2400	2480	2400	2480	2480	2400	2480	2400	2474	29205

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

NET-TULLE TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION 4 ADAP, AP

73-50

STATION	STATION NAME	YEARS												
HRS L.S.T.		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN		30.2	29.2	31.7	33.2	36.7	40.9	44.9	47.1	43.0	38.9	34.6	31.4	36.9
S. D.		5.048	4.623	4.612	3.796	3.060	3.250	3.608	3.152	3.677	4.203	4.381	4.927	7.178
TOTAL OBS		309	282	310	300	310	300	310	310	300	310	300	310	3651
MEAN		30.2	29.7	31.5	33.0	35.9	40.6	44.7	47.0	43.9	38.8	34.5	31.2	36.9
S. D.		5.265	4.786	4.588	3.805	3.179	3.118	3.731	3.304	3.698	4.319	4.371	4.957	7.143
TOTAL OBS		309	282	310	300	310	300	310	310	300	310	300	309	3650
MEAN		30.2	29.6	31.4	33.4	36.8	41.4	45.4	47.2	43.8	38.7	34.6	31.4	37.0
S. D.		5.034	5.027	4.551	3.896	3.180	2.942	3.591	3.068	3.641	4.312	4.297	4.953	7.241
TOTAL OBS		309	282	310	300	310	300	310	310	300	310	300	309	3650
MEAN		31.0	31.0	33.1	35.2	38.4	43.0	47.1	49.1	46.2	40.7	35.6	32.1	38.6
S. D.		4.462	4.435	4.207	3.742	2.826	3.150	3.737	3.145	3.032	3.832	3.890	4.658	7.341
TOTAL OBS		308	281	310	300	310	300	310	310	300	310	300	309	3648
MEAN		32.2	32.1	33.9	36.2	39.4	44.2	48.1	50.0	46.7	41.4	36.5	33.1	39.5
S. D.		3.814	3.479	4.296	3.713	3.125	3.344	3.811	3.270	3.028	3.753	3.813	3.972	7.220
TOTAL OBS		310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN		31.5	31.6	33.5	35.8	39.9	44.0	47.8	49.8	46.2	40.8	35.8	32.4	39.1
S. D.		3.945	4.021	4.260	3.734	2.964	3.360	3.689	3.139	3.095	3.749	3.793	4.288	7.311
TOTAL OBS		310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN		30.7	30.7	32.2	34.5	37.5	42.6	46.5	48.3	44.7	39.2	35.0	31.6	37.8
S. D.		4.493	4.416	4.421	3.641	2.925	3.087	3.438	2.944	3.255	3.957	4.092	4.693	7.245
TOTAL OBS		310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN		30.5	30.1	31.9	33.5	36.4	41.4	45.3	47.3	44.0	38.8	34.6	31.5	37.2
S. D.		4.764	4.681	4.586	3.692	3.006	3.114	3.488	2.961	3.575	4.194	4.458	4.683	7.099
TOTAL OBS		310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	30.6	30.5	32.4	34.4	37.4	42.2	46.2	48.2	44.9	39.7	35.1	31.9	37.9
	S. D.	4.673	4.585	4.530	3.925	3.290	3.426	3.846	3.339	3.571	4.172	4.196	4.711	7.282
	TOTAL OBS	2475	2255	2480	2400	2480	2400	2480	2480	2400	2480	2400	2473	29203

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1974 ADAP, AR

73-80

STATION	STATION NAME	YEARS												
HRS. LST.		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	26.6	26.7	28.5	29.7	33.2	38.8	43.2	45.6	41.4	35.3	30.8	27.2	33.9
	S. D.	6.501	6.169	6.108	5.357	4.265	4.000	4.151	3.484	4.842	5.394	5.737	6.386	6.444
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	26.5	26.1	28.1	29.6	33.1	38.8	43.1	45.4	41.3	35.3	30.6	27.1	33.8
	S. D.	6.578	6.344	6.078	5.364	4.447	3.809	4.311	3.575	4.767	5.446	5.837	6.606	6.525
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	309	3650
	MEAN	26.4	25.6	28.7	29.9	34.0	39.3	43.7	45.3	41.4	35.2	30.8	27.2	34.0
	S. D.	6.708	6.702	6.100	5.426	4.599	3.762	4.118	3.426	4.629	5.445	5.689	6.598	6.465
	TOTAL OBS	300	282	310	300	310	300	310	310	300	310	300	309	3650
	MEAN	27.2	27.0	29.3	31.0	34.2	40.2	44.7	47.1	43.0	36.8	31.6	27.8	35.1
	S. D.	6.202	6.213	5.861	5.638	4.413	4.118	4.569	3.455	4.328	5.228	5.508	6.413	6.661
	TOTAL OBS	306	281	310	300	310	300	310	310	300	310	300	309	3645
	MEAN	27.5	27.5	29.4	31.6	35.2	40.6	45.1	47.5	42.9	36.6	31.9	28.7	35.5
	S. D.	6.012	5.951	6.155	5.819	4.665	4.571	4.517	3.744	4.500	5.358	5.639	6.944	6.603
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	27.4	27.1	29.1	31.2	34.8	40.5	44.7	47.3	42.4	36.2	31.6	27.9	35.1
	S. D.	6.026	5.866	6.023	5.770	4.604	4.519	4.488	3.670	4.523	5.292	5.442	6.047	6.628
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	309	3650
	MEAN	27.0	26.4	28.6	30.4	33.8	39.8	44.0	46.3	41.6	35.2	30.9	27.5	34.3
	S. D.	6.286	6.113	6.034	5.526	4.338	4.135	4.185	3.454	4.537	5.484	5.818	6.271	6.550
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	26.4	26.3	28.4	29.8	33.5	39.1	43.4	45.8	41.3	35.1	30.7	27.4	34.0
	S. D.	6.470	6.249	6.141	5.418	4.238	3.920	4.080	3.365	4.712	5.533	5.892	6.254	6.449
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	27.0	26.6	28.7	30.4	34.1	39.6	44.0	46.4	41.9	35.7	31.1	27.6	34.5
	S. D.	6.393	6.223	6.076	5.589	4.574	4.165	4.358	3.677	4.657	5.428	5.710	6.328	6.586
	TOTAL OBS	2474	2255	2480	2400	2480	2400	2480	2480	2400	2480	2400	2473	29202

NAVWEASERVCOM

RELATIVE HUMIDITY

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JAN

STATION

STATION NAME

TEMP

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	1	100.0	100.0	100.0	100.0	99.7	94.4	80.3	55.3	23.9	51.2	309
	2	100.0	100.0	100.0	100.0	99.7	94.8	78.0	55.7	24.3	51.0	309
	3	100.0	100.0	100.0	100.0	99.4	92.9	77.3	54.0	25.6	51.4	309
	4	100.0	100.0	100.0	100.0	99.7	92.9	73.4	51.9	29.2	50.4	309
	5	100.0	100.0	100.0	100.0	98.7	88.1	67.1	45.2	21.6	77.8	310
	6	100.0	100.0	100.0	9.7	98.7	92.2	72.6	46.6	19.1	78.4	309
	7	100.0	100.0	100.0	100.0	99.0	94.2	78.4	54.2	24.2	50.5	310
	8	100.0	100.0	100.0	100.0	99.4	93.9	80.6	52.9	23.5	50.5	310
TOTALS		100.0	100.0	100.0	100.0	99.3	93.2	75.7	51.9	23.8	50.0	2474

NAVWEASERVCOM

RELATIVE HUMIDITY

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF DAYS
		10%	20%	30%	40%	50	60	70%	80%	90%		
JAN.	11	100.0	100.0	100.0	100.0	99.4	96.1	76.2	50.7	25.7	60.6	252
FEB.	10	100.0	100.0	100.0	100.0	99.9	95.7	78.1	55.7	27.0	60.4	252
MAR.	10	100.0	100.0	100.0	100.0	98.5	95.0	78.7	51.4	25.5	60.6	252
APR.	10	100.0	100.0	100.0	100.0	98.9	93.9	74.0	47.0	22.8	79.4	251
MAY	10	100.0	100.0	100.0	100.0	97.5	84.4	63.9	40.1	19.5	76.4	252
JUN.	10	100.0	100.0	100.0	100.0	98.9	88.7	64.5	40.1	17.7	76.6	252
JULY	10	100.0	100.0	100.0	100.0	100.0	94.0	77.0	50.0	24.5	79.9	252
AUG.	10	100.0	100.0	100.0	100.0	99.6	94.7	79.1	52.5	24.1	80.3	252
TOTALS		100.0	100.0	100.0	100.0	99.0	92.6	73.9	46.4	23.3	76.4	2265

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RELATIVE HUMIDITY

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DATE

STATION NAME

LATITUDE

LONGITUDE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1	1	100.0	100.0	100.0	100.0	99.7	97.4	85.7	65.7	31.0	42.0	111
2	2	100.0	100.0	100.0	100.0	99.7	97.4	84.6	66.4	27.0	40.1	111
3	3	100.0	100.0	100.0	100.0	99.7	97.7	82.5	67.6	24.0	41.1	111
4	4	100.0	100.0	100.0	100.0	100.0	98.4	73.1	46.7	21.0	79.4	111
5	5	100.0	100.0	100.0	100.0	99.7	97.4	60.4	36.0	14.5	75.9	111
6	6	100.0	100.0	100.0	100.0	99.7	91.3	60.3	30.4	14.5	76.4	111
7	7	100.0	100.0	100.0	100.0	100.0	98.5	70.0	49.4	10.4	80.0	111
8	8	100.0	100.0	100.0	100.0	99.7	97.4	54.0	35.6	21.0	81.4	111
9	9											
10	10											
11	11											
12	12											
TOTALS		100.0	100.0	100.0	100.0	99.7	91.3	76.1	49.9	21.5	69.0	1247

NAVWEASERVCOM

RELATIVE HUMIDITY

STATION 73-92

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
01	01	100.0	100.0	100.0	100.0	100.0	98.3	79.7	50.0	19.7	90.5	300
01	02	100.0	100.0	100.0	100.0	100.0	97.3	81.0	55.0	21.0	80.9	300
01	03	100.0	100.0	100.0	100.0	100.0	97.3	79.3	54.7	23.0	81.1	300
01	04	100.0	100.0	100.0	99.7	99.3	93.3	67.0	42.7	15.0	77.2	300
01	05	100.0	100.0	100.0	100.0	97.0	81.7	59.3	42.3	17.0	75.7	300
01	06	100.0	100.0	100.0	100.0	98.7	82.3	60.3	37.7	14.7	75.0	300
01	07	100.0	100.0	100.0	100.0	100.0	92.0	64.0	43.3	18.7	77.8	300
01	08	100.0	100.0	100.0	100.0	100.0	97.3	74.3	47.0	22.3	79.7	300
TOTALS		100.0	100.0	100.0	100.0	99.4	92.1	70.6	46.6	18.9	78.5	2400

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RELATIVE HUMIDITY

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STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	100.0	100.0	99.0	90.3	70.3	24.5	84.0	310
	04	100.0	100.0	100.0	100.0	100.0	99.0	90.3	67.4	24.8	84.1	310
	07	100.0	100.0	100.0	100.0	100.0	97.7	88.1	64.8	26.8	83.7	310
	10	100.0	100.0	100.0	100.0	100.0	93.5	75.8	50.6	16.8	79.6	310
	13	100.0	100.0	100.0	100.0	99.0	88.1	69.0	37.1	13.2	76.3	310
	16	100.0	100.0	100.0	100.0	99.0	90.3	64.5	40.3	12.9	76.4	310
	19	100.0	100.0	100.0	100.0	100.0	95.2	76.5	44.8	12.3	78.9	310
	22	100.0	100.0	100.0	100.0	100.0	98.4	87.1	64.2	21.3	82.7	310
TOTALS		100.0	100.0	100.0	100.0	99.8	95.2	80.2	54.9	19.1	80.7	2450

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RELATIVE HUMIDITY

73-4	AA, AK	73-22	JUN
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN.	11	100.0	100.0	100.0	100.0	99.7	99.7	97.0	79.7	37.0	87.2	300
	14	100.0	100.0	100.0	100.0	99.7	99.7	97.3	82.3	42.3	86.0	300
	17	100.0	100.0	100.0	100.0	100.0	99.3	95.7	75.3	39.7	86.9	300
	18	100.0	100.0	100.0	100.0	99.7	96.7	88.3	56.0	25.7	82.2	300
	17	100.0	100.0	100.0	99.7	98.7	92.3	76.0	45.0	13.0	76.3	300
	16	100.0	100.0	100.0	99.7	98.7	93.0	77.3	45.3	14.0	78.7	300
	19	100.0	100.0	100.0	100.0	100.0	98.7	85.0	57.0	23.7	82.5	300
	20	100.0	100.0	100.0	100.0	100.0	100.0	98.0	71.7	32.3	86.1	300
TOTALS		100.0	100.0	100.0	99.9	99.6	97.4	89.3	64.0	29.3	83.7	2400

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RELATIVE HUMIDITY

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STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	100.0	100.0	98.7	86.5	37.4	98.4	310
	04	100.0	100.0	100.0	100.0	100.0	99.7	99.0	87.1	40.6	89.0	310
	07	100.0	100.0	100.0	100.0	100.0	100.0	99.4	84.8	40.0	88.6	310
	10	100.0	100.0	100.0	99.7	99.4	98.1	92.6	63.2	23.5	83.7	310
	13	100.0	100.0	100.0	99.4	99.0	96.8	84.2	46.8	11.9	79.6	310
	16	100.0	100.0	100.0	99.7	99.0	97.4	80.3	47.2	12.9	79.6	309
	19	100.0	100.0	100.0	99.7	99.4	98.7	91.6	63.2	21.0	83.3	310
	22	100.0	100.0	100.0	100.0	100.0	99.7	97.7	81.9	31.0	87.0	310
TOTALS		100.0	100.0	100.0	99.8	99.6	98.8	92.9	70.1	27.3	84.9	2479

NAVWEASERVCOM

RELATIVE HUMIDITY

STATION 73-82 ADAM, AV PERIOD AUG MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	100.0	100.0	99.4	88.4	35.5	88.5	310
	04	100.0	100.0	100.0	100.0	100.0	100.0	99.4	89.7	41.0	86.7	310
	07	100.0	100.0	100.0	100.0	100.0	100.0	99.7	88.4	42.6	89.1	310
	10	100.0	100.0	100.0	100.0	100.0	99.7	94.8	70.3	26.1	85.2	310
	13	100.0	100.0	100.0	99.7	99.7	97.1	89.0	59.4	17.1	82.3	310
	16	100.0	100.0	100.0	99.7	99.7	98.1	91.0	58.1	17.1	82.5	310
	19	100.0	100.0	100.0	100.0	99.7	99.7	96.5	72.9	24.2	85.5	310
	22	100.0	100.0	100.0	100.0	100.0	100.0	99.4	86.8	37.7	88.2	310
TOTALS		100.0	100.0	100.0	99.9	99.9	99.3	96.2	76.8	30.2	86.3	2480

NAVWEASERVCOM

RELATIVE HUMIDITY

774 A-4, 44

STATION NAME

73-22

PERIOD

250

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	100.0	97.7	92.3	65.3	22.7	83.8	300
	04	100.0	100.0	100.0	100.0	100.0	97.7	93.0	68.7	21.3	84.1	300
	07	100.0	100.0	100.0	100.0	100.0	98.7	95.0	67.0	26.0	84.6	300
	10	100.0	100.0	100.0	100.0	99.7	96.7	83.7	46.7	12.7	79.8	300
	13	100.0	100.0	100.0	100.0	98.7	92.7	67.7	32.7	12.0	76.4	300
	16	100.0	100.0	100.0	100.0	99.7	92.3	73.0	30.7	10.0	76.4	300
	19	100.0	100.0	100.0	100.0	100.0	99.7	87.0	47.0	14.0	80.5	300
	22	100.0	100.0	100.0	100.0	100.0	99.0	90.7	60.0	17.3	82.6	300
TOTALS		100.0	100.0	100.0	100.0	99.8	96.8	85.3	52.3	17.0	81.0	2400

NAVWEASERVCOM

RELATIVE HUMIDITY

2024 2024, 2024

73-07

OCT

STATION

STATION NAME

PERIOD

MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	100.0	100.0	100.0	95.2	79.7	47.1	11.6	79.1	310
	02	100.0	100.0	100.0	100.0	100.0	96.1	81.3	51.0	11.0	79.8	310
	03	100.0	100.0	100.0	100.0	100.0	97.1	80.3	47.4	14.5	79.8	310
	04	100.0	100.0	100.0	100.0	100.0	92.9	71.6	37.4	6.4	77.0	310
	05	100.0	100.0	100.0	100.0	97.7	84.5	56.5	22.6	6.8	72.6	310
	06	100.0	100.0	100.0	100.0	98.7	87.4	62.6	29.0	6.5	73.9	310
	07	100.0	100.0	100.0	99.7	99.4	94.3	73.2	37.1	9.7	77.1	310
	08	100.0	100.0	100.0	100.0	99.0	94.2	79.7	41.9	12.3	76.4	310
TOTALS		100.0	100.0	100.0	100.0	99.4	92.7	73.1	39.2	10.1	77.2	2400

NAVWEASERVCOM

RELATIVE HUMIDITY

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72-6.

ACZ

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE H. MIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	100.0	94.7	75.7	46.7	16.0	78.8	370
	04	100.0	100.0	100.0	100.0	99.3	92.3	77.3	48.3	14.7	78.8	370
	07	100.0	100.0	100.0	100.0	99.7	94.0	76.0	47.7	16.7	79.4	370
	10	100.0	100.0	100.0	100.0	99.7	93.3	71.7	41.7	15.0	78.1	370
	13	100.0	100.0	100.0	99.7	98.0	85.7	61.3	32.3	10.0	75.0	370
	16	100.0	100.0	100.0	100.0	99.3	94.0	68.0	36.0	12.3	76.8	300
	19	100.0	100.0	100.0	100.0	98.7	92.7	72.7	39.7	14.3	77.8	370
	22	100.0	100.0	100.0	100.0	99.7	95.7	76.0	42.3	14.3	78.3	300
TOTALS		100.0	100.0	100.0	100.0	99.3	92.9	72.3	41.8	14.2	77.9	2400

NAVWEASERVCOM

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77-22

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	31	100.0	100.0	100.0	100.0	99.7	94.2	74.5	42.9	11.6	77.8	310
	34	100.0	100.0	100.0	100.0	99.7	93.5	74.1	44.3	11.3	78.0	379
	37	100.0	100.0	100.0	100.0	99.4	91.6	72.4	45.5	13.3	77.9	303
	15	100.0	100.0	100.0	100.0	99.0	92.2	69.5	43.5	14.3	77.4	378
	13	100.0	100.0	100.0	100.0	98.1	89.3	65.4	40.8	13.6	76.4	379
	17	100.0	100.0	100.0	100.0	99.0	90.6	66.7	38.2	10.4	76.2	309
	12	100.0	100.0	100.0	100.0	100.0	93.9	75.1	44.0	11.0	77.6	309
	12	100.0	100.0	100.0	100.0	100.0	96.1	73.8	45.3	11.0	78.0	309
TOTALS		100.0	100.0	100.0	100.0	99.4	92.7	71.4	43.1	12.1	77.4	2471

NAVWEASERVCOM

RELATIVE HUMIDITY

STATION 4 2144, AK

STATION NAME

77-2

PERIOD

ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	111	100.0	100.0	100.0	100.0	99.3	93.2	75.7	51.9	27.8	80.0	2474
FEB		100.0	100.0	100.0	100.0	99.0	92.6	73.9	48.4	23.3	79.4	2255
MAR		100.0	100.0	100.0	100.0	99.8	95.3	76.1	49.9	21.5	80.0	2473
APR		100.0	100.0	100.0	100.0	99.4	92.1	70.6	46.6	19.9	78.5	2470
MAY		100.0	100.0	100.0	100.0	99.8	95.2	80.2	54.9	19.1	80.7	2470
JUN		100.0	100.0	100.0	99.9	99.6	97.4	89.3	64.0	28.3	83.7	2470
JUL		100.0	100.0	100.0	99.8	99.6	98.8	92.9	70.1	27.3	84.9	2479
AUG		100.0	100.0	100.0	99.9	99.9	99.3	96.2	76.8	30.2	86.3	2480
SEP		100.0	100.0	100.0	100.0	99.8	96.8	85.3	52.3	17.0	81.0	2470
OCT		100.0	100.0	100.0	100.0	99.4	92.7	73.1	39.2	10.1	77.2	2480
NOV		100.0	100.0	100.0	100.0	99.3	92.9	72.3	41.6	14.2	77.9	2470
DEC		100.0	100.0	100.0	100.0	99.4	92.7	71.4	43.1	12.1	77.4	2471
TOTALS		100.0	100.0	100.0	100.0	99.5	94.9	79.8	53.3	20.5	80.6	29197

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

vs.

WIND DIRECTION

RECTION
JANUARY 1973-DECEMBER 1973

WIND DIRECTION										
WIND DIRECTION	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED	WIND SPEED
11.7	12.5	14.3	4.2	4.2	12.0	14.7	4.4	19.4	24.3	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

JANUARY 1977-2 OCTOBER 1980

WIND DIRECTION	WIND DIRECTION									
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
0-9										
10-19										
20-29										
30-39										
40-49										
50-59										
60-69										
70-79										
80-89										
90-99										
100-109										
110-119										
120-129										
130-139										
140-149										
150-159										
160-169										
170-179										
180-189										
190-199										
200-209										
210-219										
220-229										
230-239										
240-249										
250-259										
260-269										
270-279										
280-289										
290-299										
300-309										
310-319										
320-329										
330-339										
340-349										
350-359										
360-369										
370-379										
380-389										
390-399										
400-409										
410-419										
420-429										
430-439										
440-449										
450-459										
460-469										
470-479										
480-489										
490-499										
500-509										
510-519										
520-529										
530-539										
540-549										
550-559										
560-569										
570-579										
580-589										
590-599										
600-609										
610-619										
620-629										
630-639										
640-649										
650-659										
660-669										
670-679										
680-689										
690-699										
700-709										
710-719										
720-729										
730-739										
740-749										
750-759										
760-769										
770-779										
780-789										
790-799										
800-809										
810-819										
820-829										
830-839										
840-849										
850-859										
860-869										
870-879										
880-889										
890-899										
900-909										
910-919										
920-929										
930-939										
940-949										
950-959										
960-969										
970-979										
980-989										
990-999										
TOTAL	18.1	15.7	11.5	9.5	9.8	17.1	15.3	7.6	10.3	225.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

U.S. DEPARTMENT OF AGRICULTURE

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WIND DIRECTION

[illegible]

WIND DIRECTION

WIND DIRECTION

[illegible]

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

JANUARY 1973-DECEMBER 1980

NAV

WIND DIRECTION	WIND DIRECTION										TOTAL	PERCENT
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99		
0-9												
10-19												
20-29												
30-39												
40-49												
50-59												
60-69												
70-79												
80-89												
90-99												
100-109												
110-119												
120-129												
130-139												
140-149												
150-159												
160-169												
170-179												
180-189												
190-199												
200-209												
210-219												
220-229												
230-239												
240-249												
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310-319												
320-329												
330-339												
340-349												
350-359												
360-369												
370-379												
380-389												
390-399												
400-409												
410-419												
420-429												
430-439												
440-449												
450-459												
460-469												
470-479												
480-489												
490-499												
500-509												
510-519												
520-529												
530-539												
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560-569												
570-579												
580-589												
590-599												
600-609												
610-619												
620-629												
630-639												
640-649												
650-659												
660-669												
670-679												
680-689												
690-699												
700-709												
710-719												
720-729												
730-739												
740-749												
750-759												
760-769												
770-779												
780-789												
790-799												
800-809												
810-819												
820-829												
830-839												
840-849												
850-859												
860-869												
870-879												
880-889												
890-899												
900-909												
910-919												
920-929												
930-939												
940-949												
950-959												
960-969												
970-979												
980-989												
990-999												
TOTAL	17.1	9.1	1.4	3.5	9.7	12.4	24.2	9.8	4.7	24.5	100.0	

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

257 4

AGAP, AK

JANUARY 1973-DECEMBER 1982

JUNE

STATION

STATION NAME

YEAR

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
112 TO 121											
102 TO 111											
92 TO 101											
82 TO 91											
72 TO 81											
62 TO 71											
52 TO 61						33.3	66.7			3	.1
42 TO 51				7.1	35.7	14.3	35.7	7.1		14	.6
32 TO 41	1.1	3.2	7.4	5.3	35.1	11.7	33.0		3.2	94	3.9
22 TO 31	10.2	8.0	10.8	6.0	19.7	13.2	27.9	2.4	1.9	463	19.3
12 TO 21	12.9	13.8	11.2	4.4	13.6	14.4	23.9	1.7	4.1	1381	57.5
2 TO 11	17.3	19.4	7.6	1.4	5.9	13.3	24.2	1.9	9.0	422	17.6
0 TO 1	16.4	9.1		4.5		9.1	4.5		36.4	22	.9
21 TO 31									100.0	1	.0
12 TO 21											
2 TO 11											
0 TO 1											
1 TO 2											
2 TO 3											
3 TO 4											
4 TO 5											
5 TO 6											
6 TO 7											
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92 TO 93											
93 TO 94											
94 TO 95											
95 TO 96											
96 TO 97											
97 TO 98											
98 TO 99											
99 TO 100											
TOTALS	12.9	13.1	10.1	4.3	14.3	13.8	25.0	1.8	4.8	2400	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

2574
STATION

ADAK, AK
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JULY
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			100.0							1	.0
82 TO 86			100.0							2	.1
77 TO 81			80.0	20.0						5	.2
72 TO 76											
67 TO 71				50.0			50.0			2	.1
62 TO 66				11.1	11.1	22.2	55.6			9	.4
57 TO 61	4.0		8.0	6.0	16.0	18.0	44.0	4.0		50	2.0
52 TO 56	4.4	10.2	14.4	8.2	20.2	11.1	27.5	1.6	2.4	451	18.2
47 TO 51	8.7	12.7	12.4	6.5	13.2	12.6	26.7	2.3	5.0	1095	44.2
42 TO 46	13.8	11.0	9.6	2.7	5.6	14.2	33.5	2.9	7.7	826	33.3
37 TO 41	8.1	16.2	2.7		5.4	24.3	24.3		18.9	37	1.5
32 TO 36									100.0	2	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
-56 TO -59											
-60 & LOWER											
TOTALS	9.4	11.4	11.5	5.5	11.6	13.1	29.4	2.3	5.6	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION

ADAK, AK

JANUARY 1973-DECEMBER 1982

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91							33.3	66.7		7	.1
82 TO 86							50.0	50.0		7	.1
77 TO 81					33.3			66.7		7	.1
72 TO 76											
67 TO 71						25.0	50.0	25.0		4	.2
62 TO 66	14.3		14.3		14.3	28.6	14.3	14.3		7	.3
57 TO 61	1.4	8.2	6.8	9.6	28.8	12.3	30.1		2.7	73	2.9
52 TO 56	6.2	5.4	10.5	7.5	20.3	16.8	28.3	1.9	3.1	774	31.2
47 TO 51	9.2	10.1	7.1	4.3	10.1	18.5	30.5	3.3	6.9	1353	54.6
42 TO 46	7.9	10.3	2.4	1.6	5.5	20.2	37.2	2.4	12.6	253	10.2
37 TO 41					12.5	50.0	12.5		25.0	8	.3
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.9	8.5	7.6	5.1	13.4	18.0	30.4	2.9	6.2	2480	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

ADAK, AK

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

PERIOD

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66					50.0	50.0				2	.1
57 TO 61			7.1	21.4	50.0	14.3	7.1			14	.6
52 TO 56	11.0	6.5	8.3	6.8	22.6	18.5	19.0	3.6	3.6	336	14.0
47 TO 51	16.7	11.3	6.4	3.8	11.1	13.9	27.2	6.2	3.4	1171	48.8
42 TO 46	22.0	10.0	4.9	1.8	5.1	11.7	24.9	8.6	11.0	771	32.1
37 TO 41	18.5	4.3		1.1	2.2	10.0	18.5	5.4	39.1	92	3.9
32 TO 36		7.1			14.3	14.3	7.1		57.1	14	.6
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	17.5	9.8	5.9	3.5	10.7	13.8	24.7	6.5	7.5	2400	100.0

NAVWEASERVCOM

10

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION

124, AK

WIND DIRECTION

JANUARY 1973-DECEMBER 1992

OCTOBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
120											
117 TO 121											
114 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61					100.0					1	.0
52 TO 56	2.4		2.4	4.9	43.9	36.6	9.8			41	1.7
47 TO 51	12.2	8.8	8.0	5.3	14.9	20.2	22.8	5.0	2.9	377	15.2
42 TO 46	18.9	8.7	7.2	2.6	8.2	14.4	25.5	11.3	3.2	1108	44.7
37 TO 41	17.1	9.8	8.2	2.1	3.0	10.3	24.5	15.3	9.7	766	30.9
32 TO 36	17.4	11.6		1.2		10.5	22.1	11.0	26.2	172	6.9
27 TO 31	26.7	13.3	6.7			6.7	6.7		40.0	15	.6
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	17.0	9.1	7.1	2.8	7.6	14.1	24.2	11.3	6.9	2480	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

ADAK, AK

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

NOVEMBER

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56						100.0				2	.1
47 TO 51				3.6	39.3	42.9	14.3			28	1.2
42 TO 46	2.2	4.2	4.8	5.6	25.8	35.0	17.6	2.5	2.2	357	14.9
37 TO 41	10.3	9.8	7.9	2.2	13.0	16.9	26.1	10.9	2.9	1121	46.7
32 TO 36	17.9	11.4	3.1	1.2	4.4	9.4	30.2	12.3	10.1	754	31.4
27 TO 31	16.8	5.9	.8	1.7	1.7	7.6	14.3	21.8	29.4	110	5.0
22 TO 26	6.7					13.3	33.3		46.7	15	.6
17 TO 21						25.0			75.0	4	.2
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.6	9.1	5.4	2.4	11.8	17.1	25.4	10.4	6.8	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

2574

ADAK, AK

JANUARY 1973-DECEMBER 1982

DECEMBER

STATION

STATION NAME

YEAR

MONTH

TIME

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51						100.0				8	.9
42 TO 46	1.2	3.7	34.6	14.8	25.9	13.6	6.2			81	3.3
37 TO 41	7.3	15.7	21.4	6.7	18.2	13.9	12.3	2.2	2.3	683	27.6
32 TO 36	11.0	13.3	10.6	4.0	8.2	14.1	24.7	9.5	4.6	1120	45.2
27 TO 31	19.3	12.4	1.1	.2	3.5	7.8	22.6	19.7	13.4	461	18.6
22 TO 26	1.2	2.4	2.4			14.5	12.0	6.0	61.4	87	3.4
17 TO 21			2.9		2.9	23.5	14.7	2.9	52.9	34	1.4
12 TO 16						12.5			87.5	8	.3
7 TO 11									100.0	1	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.7	12.8	12.2	4.2	10.3	13.2	19.6	8.8	8.3	2476	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

057 4
STATION

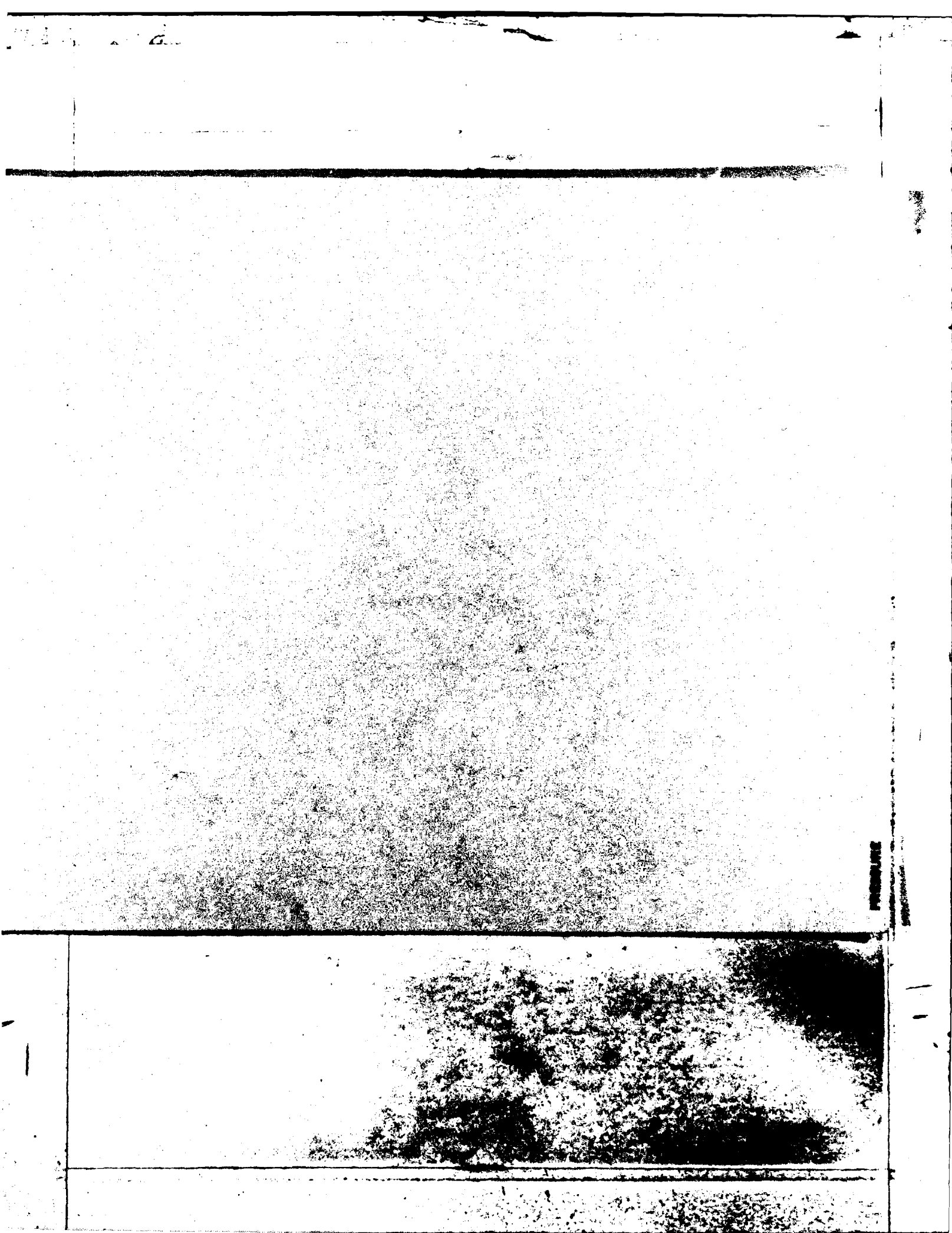
ADAK, AK

JANUARY 1973-DECEMBER 1992

ALL

TEMP.	WIND DIRECTION									TOTAL FREQ	% TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM		
122+											
112 TO 121											
102 TO 111											
92 TO 101											
82 TO 91											
72 TO 81											
62 TO 71											
52 TO 61											
42 TO 51											
32 TO 41											
22 TO 31											
12 TO 21											
2 TO 11											
-8 TO -4											
-12 TO -9											
-16 TO -13											
-20 TO -17											
-24 TO -21											
-28 TO -25											
-32 TO -29											
-36 TO -33											
-40 TO -37											
-44 TO -41											
-48 TO -45											
-52 TO -49											
-56 TO -53											
-60 TO -57											
TOTALS	13.2	11.4	9.4	4.3	10.8	14.2	22.8	7.1	6.8	29207	100.0

NAYWEASERVCOM



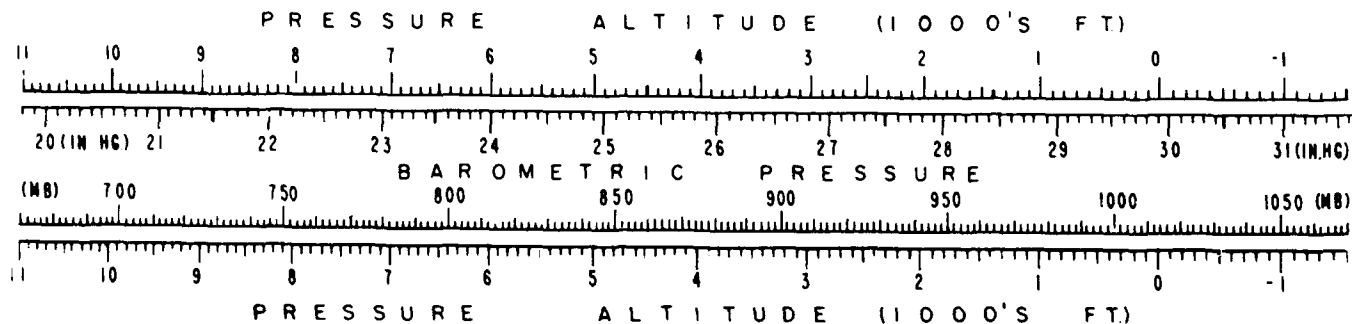
Woods Federal Building
Asheville, N. C.

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MM HG FROM HOURLY OBSERVATIONS

STATION 4747, A

73-42

STATION

STATION NAME

YEARS

HRS. LIST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	996.5	999.71	999.91	999.31	997.91	998.11	998.12	998.10	998.11	997.61	997.27	998.9	998.5
S. D.	14.51	15.57	15.51	12.77	11.85	10.35	8.48	8.85	10.74	14.60	14.55	15.56	14.77
TOTAL OBS	312	312	312	312	312	312	312	312	312	312	312	312	3651
MEAN	996.7	999.51	999.11	997.91	997.51	998.11	998.12	998.10	998.11	997.21	997.27	998.7	998.4
S. D.	14.51	15.57	15.51	12.77	11.85	10.35	8.48	8.85	10.74	14.60	14.55	15.56	14.77
TOTAL OBS	312	312	312	312	312	312	312	312	312	312	312	312	3651
MEAN	996.1	999.21	999.31	998.11	997.71	998.11	998.12	998.10	998.11	997.21	997.27	998.5	998.6
S. D.	14.51	15.57	15.51	12.77	11.85	10.35	8.48	8.85	10.74	14.60	14.55	15.56	14.77
TOTAL OBS	312	312	312	312	312	312	312	312	312	312	312	312	3651
MEAN	996.61	999.11	999.41	998.51	997.91	998.11	998.12	998.10	998.11	997.51	997.51	998.1	998.1
S. D.	14.77	15.57	15.51	12.77	11.85	10.35	8.48	8.85	10.74	14.60	14.55	15.56	14.77
TOTAL OBS	312	312	312	312	312	312	312	312	312	312	312	312	3651
MEAN	996.11	999.01	999.01	998.41	997.91	998.11	998.12	998.10	998.11	997.11	997.27	998.5	998.9
S. D.	14.51	15.57	15.51	12.77	11.85	10.35	8.48	8.85	10.74	14.60	14.55	15.56	14.77
TOTAL OBS	312	312	312	312	312	312	312	312	312	312	312	312	3651
MEAN	995.7	999.41	999.31	998.11	997.61	998.11	998.12	998.10	998.11	997.61	997.27	998.5	998.5
S. D.	14.77	15.57	15.51	12.77	11.85	10.35	8.48	8.85	10.74	14.60	14.55	15.56	14.77
TOTAL OBS	312	312	312	312	312	312	312	312	312	312	312	312	3651
MEAN	996.1	999.71	999.31	998.11	997.91	998.11	998.12	998.10	998.11	997.31	997.27	998.5	998.5
S. D.	14.66	15.57	15.51	12.77	11.85	10.35	8.48	8.85	10.74	14.60	14.55	15.56	14.77
TOTAL OBS	312	312	312	312	312	312	312	312	312	312	312	312	3651
MEAN	996.4	999.91	999.51	998.71	998.21	998.11	998.12	998.10	998.11	997.71	997.27	998.5	998.8
S. D.	14.51	15.57	15.51	12.77	11.85	10.35	8.48	8.85	10.74	14.60	14.55	15.56	14.77
TOTAL OBS	312	312	312	312	312	312	312	312	312	312	312	312	3651
ALL HOURS	996.2	999.71	999.51	998.31	997.81	998.11	998.12	998.10	998.11	997.31	997.27	998.5	998.6
S. D.	14.63	15.57	15.51	12.77	11.85	10.35	8.48	8.85	10.74	14.60	14.55	15.56	14.77
TOTAL OBS	2476	2256	2460	2470	2480	2480	2480	2480	2480	2480	2480	2476	29278

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE 11 INCHES HG FROM HOURLY OBSERVATIONS

STATION		STATION NAME												YEARS	
73-01															
HRS EST		JAN	FEB	MAR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN		29.41329	29.50729	29.52429	29.76329	29.74229	29.86529	29.89229	29.83129	29.85429	29.74229	29.59629	29.485	29.613	
S.D.		.422	.468	.448	.377	.371	.306	.351	.262	.312	.432	.431	.441	.412	
TOTAL OBS		312	312	312	312	312	312	312	312	312	312	312	312	3651	
MEAN		29.40529	29.50029	29.51329	29.75129	29.73729	29.85429	29.88129	29.82529	29.84329	29.72829	29.58629	29.476	29.676	
S.D.		.420	.467	.444	.377	.372	.304	.351	.262	.312	.432	.427	.444	.414	
TOTAL OBS		312	312	312	312	312	312	312	312	312	312	312	312	3651	
MEAN		29.39329	29.50229	29.52529	29.76429	29.74329	29.86129	29.88829	29.80229	29.84629	29.72829	29.59229	29.474	29.679	
S.D.		.432	.462	.447	.384	.324	.303	.291	.264	.312	.422	.420	.413	.414	
TOTAL OBS		312	312	312	312	312	312	312	312	312	312	312	312	3651	
MEAN		29.41629	29.51229	29.54229	29.76729	29.75129	29.86829	29.89429	29.83429	29.85629	29.73829	29.60729	29.489	29.691	
S.D.		.424	.460	.452	.383	.324	.301	.291	.267	.321	.425	.417	.453	.411	
TOTAL OBS		312	312	312	312	312	312	312	312	312	312	312	312	3651	
MEAN		29.40029	29.51529	29.54329	29.76429	29.74729	29.86529	29.89229	29.82729	29.84529	29.72529	29.59229	29.473	29.689	
S.D.		.427	.459	.446	.381	.317	.300	.291	.265	.324	.422	.423	.453	.412	
TOTAL OBS		312	312	312	312	312	312	312	312	312	312	312	312	3651	
MEAN		29.39729	29.49929	29.52129	29.75429	29.74029	29.85529	29.88529	29.81829	29.83229	29.71729	29.57529	29.464	29.671	
S.D.		.426	.459	.445	.376	.314	.301	.248	.269	.324	.416	.428	.454	.413	
TOTAL OBS		312	312	312	312	312	312	312	312	312	312	312	312	3651	
MEAN		29.40229	29.50929	29.52429	29.76129	29.74129	29.85429	29.88629	29.81929	29.84129	29.73229	29.58529	29.472	29.677	
S.D.		.433	.463	.446	.371	.316	.304	.247	.266	.323	.413	.432	.450	.413	
TOTAL OBS		312	312	312	312	312	312	312	312	312	312	312	312	3651	
MEAN		29.40029	29.51429	29.53429	29.77429	29.75729	29.87029	29.89229	29.83929	29.85729	29.74329	29.59429	29.479	29.690	
S.D.		.422	.463	.451	.370	.316	.307	.249	.265	.325	.423	.432	.461	.418	
TOTAL OBS		312	312	312	312	312	312	312	312	312	312	312	312	3651	
ALL HOURS	MEAN	29.40429	29.50829	29.52929	29.76129	29.74629	29.86229	29.89029	29.82929	29.84729	29.73129	29.59029	29.477	29.689	
	S.D.	.422	.461	.446	.377	.319	.303	.255	.265	.321	.424	.426	.456	.414	
	TOTAL OBS	2476	2256	2480	2400	2480	2450	2480	2480	2480	2480	2400	2476	29276	

END

DATE
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